





# INDEX-CATALOGUE OF MEDICAL AND VETERINARY ZOOLOGY

SUPPLEMENT 22, PART 5

## PARASITE-SUBJECT CATALOGUE PARASITES: ARTHROPODA AND MISCELLANEOUS PHyla

By

SHIRLEY J. EDWARDS, In Charge

MARTHA W. HOOD, Zoologist

JUDITH H. SHAW, Zoologist

JANE D. RAYBURN, Technical Information Specialist

MARGIE D. KIRBY, Technical Information Specialist

DEBORAH T. HANFMAN, Technical Information Specialist

JUDITH A. ZIDAR, Technical Information Specialist



UNITED STATES  
DEPARTMENT OF  
AGRICULTURE

PREPARED BY  
SCIENCE AND  
EDUCATION  
ADMINISTRATION

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## PREFACE

The Index-Catalogue of Medical and Veterinary Zoology is an index to the world's literature on animal parasites of animals, including man. The Catalogue is distributed to qualified individuals and libraries throughout the world without charge. It has been maintained in cumulative files since 1892. Only the Author Catalogue has been published in its entirety. A revision of the Author Catalogue of the Index-Catalogue of Medical and Veterinary Zoology, consisting of Parts 1 to 18, was published during the period 1932-52. Beginning in 1953, a series of supplements designed to publish the backlog was initiated. This was completed with Supplement 6, published in 1956. From 1956 to 1964, supplements covering authors A to Z were issued on an annual basis.

Beginning with Supplement 15, the Parasite-Subject Catalogues, containing indices to the author references, have been issued. The Author Catalogues of Supplements 15-21 continued the format of previous supplements. Users should note that for each reference in the Author Catalogues of these supplements the author(s) plus the date and letter (e.g., Smith, J.; and Doe, L., 1978 b) are the key to all items in the Parasite-Subject Catalogues derived from that reference. In other words, when using the Parasite-Subject Catalogues of Supplements 15-21, it is necessary to consult the Author Catalogue of the corresponding supplement for complete bibliographic information.

Commencing with Supplement 22, basic bibliographic information is included with each entry in Parts 2-7. It should be emphasized, however, that it will still be useful to consult the Author Catalogue for a variety of other information that may be found there: Title of the reference, translated title, language of text and summaries, issue date, library from which the original may be obtained, published corrections, related references by the same author, and other miscellaneous information.

Each supplement consists of the following parts:

- Part 1, Authors: A-Z
- Part 2, Parasite-Subject Catalogue: Parasites: Protozoa
- Part 3, Parasite-Subject Catalogue: Parasites: Trematoda and Cestoda
- Part 4, Parasite-Subject Catalogue: Parasites: Nematoda and Acanthocephala
- Part 5, Parasite-Subject Catalogue: Parasites: Arthropoda and Miscellaneous Phyla
- Part 6, Parasite-Subject Catalogue: Subject Headings and Treatment
- Part 7, Parasite-Subject Catalogue: Hosts

Users should bear in mind that this is an Index-Catalogue, not a treatise, and should not expect to find reasons for any given entry. Nor does citing of synonymy mean that it is necessarily correct. The same statement holds for hosts, locations, localities, authorship of taxa, designation of new taxa, etc. These items are cited as given by the author(s) of the publication being indexed.

The information included in any given supplement represents only the publications that have been indexed in that supplement; and therefore, exclusion of, or limited entries for, any given author or parasite has no significance. No pretension is made for completeness, and assistance in correcting errors or obtaining additional information is appreciated. Reprints of papers on parasitology are requested.



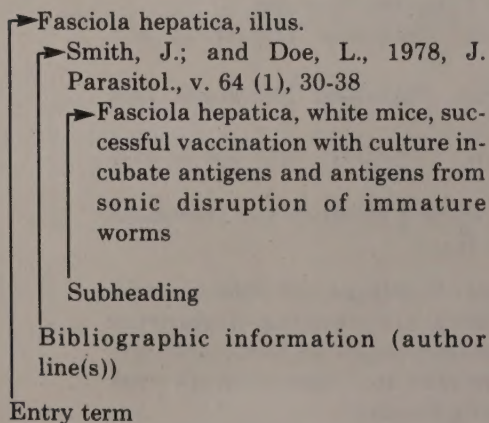
## EXPLANATORY NOTE

### Author Catalogue

The Author Catalogue (Part 1 of each supplement) contains full bibliographic information for each publication indexed during the compilation of that supplement. A symbol for the library from which the original publication may be obtained is given at the end of each entry, e.g., Wa, Wm, Wc, etc. A key to these library symbols may be found in Supplements 10 and 20. A list of serial abbreviations new to our files is published at the beginning of each Author Catalogue.

### Parasite Catalogues

The Parasite Catalogues (Parts 2-5 of each supplement) are divided by parasite phyla (Protozoa, Trematoda, etc.). They are arranged alphabetically by genera, parasitic diseases, and higher taxa and then alphabetically by species within genera. Entries under each heading are in turn arranged alphabetically by authors and then chronologically for each author. Each entry consists of the name of the parasite or parasitic disease, the author(s) of the publication, date, abbreviated title of the publication, volume, number, inclusive pages, and a subheading. Illustrations of parasites are indicated by the word *illus.* following the name of the parasite.



A variety of information is found indented beneath the author line(s) of each entry: Classification, hosts, synonymy, keys, treatment, etc. Subheadings are guides to the subject matter of the publication.

(1) **Classification:** In entries based on systematic articles, the subheading may give the higher taxa in which the taxon has been placed or it may list the lower taxa included in a higher taxon.

(2) **Hosts:** The only hosts recorded are those that pertain directly to the author's own work. Scientific host names are used unless the author gives only common names, in which case the host names are given exactly as in the original publication.

However, when host common names are in Cyrillic alphabet languages, host Latin names are assigned and listed instead of the common name; these are in square brackets [ ].

Locations of parasites in or on hosts are given in parentheses ( ). Where a host-parasite relationship is well known, a host may be given under a parasite name and not in the Host Catalogue; this applies particularly to parasites of medical and veterinary importance and of worldwide distribution. A + before the host name on the parasite entry means that no host entry was made for this particular reference.

(3) **Synonymy:** Usually only those synonyms which the author indicates as new, or which are new to the files of the Index-Catalogue of Medical and Veterinary Zoology, are given.

(4) **Keys:** The subheading "key" indicates that the name is included in a taxonomic key.

(5) **Treatment:** When there are several antiparasitic agents mentioned in a publication, a general term is used in the subheading, e.g., anthelmintics, insecticides, protozoacides. However, in the Treatment Catalogue, all agents tested by the investigator(s) are listed.

(6) **Geographic Distribution:** When there are multiple hosts and geographic localities, the appropriate locality is



recorded after each host name; when the hosts of a parasite are all from one locality, they are recorded as "all from" this locality.

- (7) **Other Subject Matter:** Phrases indicate other subject matter discussed (e.g., immunity, metabolism, morphology, etc.).

### Subject Headings Catalogue

The Subject Headings Catalogue (the first section of Part 6 of each supplement) is an alphabetic arrangement of entry terms from a controlled list of subject headings. Each entry consists of the subject heading, bibliographic information, and a subheading reflecting the information contained in the paper. Subject headings with numerous entries are separated into alphabetized subdivisions, e.g.,

Immunity  
Immunity, Agglutination  
Immunity, Allergy

### Treatment Catalogue

In the Treatment Catalogue (a section of Part 6 of each supplement), all entries referring to one antiparasitic agent are grouped under one heading (regardless of the name used by the investigator) and are then listed alphabetically by author. Other names for the same agent are cross-referenced to the name used for filing. When generic and chemical names are available, preference is given to those names as headings rather than to trade names or code numbers and letters. Code number designations for compounds are entered in the Number Index in numerical order and cross-referenced to the name under which they are listed in the alphabetical section. Salts of a compound are usually grouped together, e.g., piperazine adipate, piperazine citrate, etc., are all listed under Piperazine. Sometimes verifying synonymy of drug names is impossible; consequently, groupings and cross-references are not always authenticated although as many as possible have been checked with reliable sources. In some instances, the cross-references are based entirely on information in papers indexed and verification was not possible. Foreign language terminology has been anglicized

where feasible. Chemosterilants, Molluscicides, and Repellents are entered under these three collective headings and not under the individual chemical. The format is the same as the parasite entries: Entry term (in this case, drug name), bibliographic information, and subheading.

### Host Catalogue

The Host Catalogue (Part 7 of each supplement) is arranged alphabetically by genera, common names, and higher taxa and then alphabetically by species within genera. Nominate subspecies are interfiled with the species. Entries under each heading are in turn arranged alphabetically by author(s) and then chronologically for each author. The format is the same as in the other Catalogues, i.e., entry term (in this case, host name), bibliographic information, and subheading. Indented beneath the author line(s) of each host entry are all the parasites of a particular phylum that were reported from this host in the paper in question. Body locations of these parasites will be found in parentheses ( ) either in the subheading or with the host name. Experimental infection is reported as such. When there are multiple parasites and geographic localities, the appropriate locality is recorded after each parasite name; when the parasites from this host are all from one locality, they are recorded as "all from" this locality. When authors use only common names of hosts, scientific names are cautiously supplied from authoritative sources after careful consideration. Cross-references from the common name used by the author to the scientific name supplied by the Index-Catalogue are filed among the host entries. Such supplied names are given in square brackets [ ]. If a scientific name cannot be supplied, English common names are used. Scientific names or English common names are always supplied for common names in Cyrillic alphabet languages, and no cross-references are made. Surveys of parasites of humans and domestic animals are often indexed under geographic headings and entered in Part 6, Subject Headings, in addition to appearing in the Host Catalogue. In this case, all parasite phyla are grouped under the same host entry, and individual parasite entries are not included in the Parasite Catalogue.



Visitors are welcome to come to the Animal Parasitology Institute to use the cumulative files. Arrangements should be made in advance for lengthy visits.

All correspondence should be addressed to:

Index-Catalogue of Medical and Veterinary Zoology  
Animal Parasitology Institute  
USDA, SEA-AR, BARC-East, Building 1180  
Beltsville, Maryland 20705 U.S.A.

It is hoped that these Catalogues will serve as a useful tool to workers in the field of parasitology. Users are requested to preserve the Catalogues, since they are not designed for general distribution and the edition is limited.

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The compilers thank the staffs of the Technical Information Systems of the Science and Education Administration, the National Library of Medicine, and all other libraries who have aided us invaluablely by making publications available to us.

Trade names are used in this publication solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement by the Department over other products not mentioned.

- Abrocomophaga* n. gen. (type genus of fam.)  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
*Abrocomophagidae* n. fam.  
tod: *A. chilensis* n. sp.
- Abrocomophaga chilensis* n. sp., illus. (tod)  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
*Abrocoma bennetti*: Til, Til, Santiago, Chile
- Abrocomophagidae* n. fam.  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
*Amblycerca*  
key, type genus: *Abrocomophaga* n. gen.
- Acanthochondria soleae*? (Kroyer)  
Ho, J.-S., 1975, Fish Bull. (165), State Calif., Resources Agency, Dept. Fish and Game, 69-72  
*Paralichthys californicus* (urohyoid): Anaheim Bay
- Acanthonyssus Yunker & Radovsky*, 1966  
Yunker, C. E.; and Saunders, R. C., 1973, J. Med. Entom., v. 10 (4), 371-381  
diagnosis
- Acanthonyssus dentipes* (Strandtmann & Eads), illus.  
Yunker, C. E.; and Saunders, R. C., 1973, J. Med. Entom., v. 10 (4), 371-381
- Acanthonyssus proechimys*, n. sp., illus.  
Yunker, C. E.; and Saunders, R. C., 1973, J. Med. Entom., v. 10 (4), 371-381  
*Proechimys semispinosus*: Zulia, 10 km S, 18 km W Machiques (at Rancho Kasmera, near Sierra de Perija), Venezuela  
*P. guyannensis*  
*Proechimys* sp.  
*Heteromys anomalus*  
*Sigmodon hispidus*  
*Zygodontomys brevicauda*  
squirrel  
marsupials  
bat  
all from Venezuela
- Acanthophthirius* sp.  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
Eumops perotis: Big Bend National Park, Texas
- Acanthophthirius caudata*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Eptesicus fuscus*: Big Bend National Park, Texas
- Acanthophthirius caudata* (Banks, 1910)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Myobia canadensis* Banks, 1910
- Acanthophthirius dasypterus* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Dasypterus* *ega*: Trinidad
- Acanthophthirius* (*Myotimyobia*) *dolichophallus* Fain, 1972 tax. nov., illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
Syn.: *Acanthophthirius* (*Acanthophthirius*) *dolichophallus* Fain, 1972  
*Myotis daubentonii* (poils du patagium): Rade de Geneve, Suisse
- Acanthophthirius* (*Acanthophthirius*) *dolichophallus* Fain, 1972  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
as syn. of *Acanthophthirius* (*Myotimyobia*) *dolichophallus* Fain, 1972 tax. nov.
- Acanthophthirius* (*Myotimyobia*) *lasiurus* Fain et Whitaker sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
*Lasiurus borealis*: 'Donnehues, U. S. A.
- Acanthophthirius mimetilli* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Mimetillus moloney*: Zaire
- Acanthophthirius* (*Thyromyobia*) *peruvianus* spec. nov., illus. (tod of subgen.)  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
*Thyroptera discifera* (poil du dos): Cumeria, Loreto, Haut Ucayala, Perou
- Acanthophthirius rhinolophi* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Rhinolophus hipposideros*: Namur, Belgique
- Acanthophthirius* (*Myotimyobia*) *spinipes* spec. nov., illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
*Myotis longipes* (tete): Bhamajo Cave, near Achabad, Cachemire
- Acanthopsylla* Jordan and Rothschild, 1922  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, key to Australian species and subspecies
- Acanthopsylla dunneti* Holland, 1971, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Antechinus swainsonii*: Tasmania
- Acanthopsylla franklinensis* M. Rothschild, 1936, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
"Conilurus albipes did not occur on Franklin I. The correct host name is *Leporillus jonesi* Thomas, 1921, now *Leporillus conditor jonesi*."



- Acanthopsylla incerta* Holland, 1971, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Antechinus godmani*  
*Antechinus* sp.  
*Rattus leucopus*  
*Uromys caudimaculatus*  
all from Queensland
- Acanthopsylla jordani* Mardon, 1973, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Acanthopsylla pavid* (Rothschild, 1916), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *Pygiopsylla pavid*.  
Rothschild, 1916  
*Macropus thetides*: Queensland  
*Dendrolagus lumholtzi*: Queensland  
*Trichosurus johnstonii*: Queensland  
*T. vulpecula johnstonii*: "  
*T. caninus*: New South Wales  
*Pseudocheirus peregrinus*: New South Wales  
*P. laniginosus*: " " "  
*Petaurus breviceps*: Queensland  
*Acrobates pygmaeus*: Victoria  
*Perameles nasuta*: New South Wales  
*Phascogale* sp.: Queensland  
*Rattus assimilis*: New South Wales; Queens-  
land  
*Uromys caudimaculatus*: Queensland  
grey scrub rat: "
- Acanthopsylla rothschildi multidentata* Holland,  
1971, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Sminthopsis crassicaudata*: Adelaide, South  
Australia; Ararat, Victoria
- Acanthopsylla rothschildi nereis* Jordan and  
Rothschild, 1922, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
*Potorous tridactylus*: Tasmania
- Acanthopsylla rothschildi rothschildi* (Rainbow)  
Beveridge, I.; and Barker, I. K., 1976,  
Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stu-*  
*artii*, seasonal and sex-related variations  
in numbers of helminths, parasites unlikely  
directly involved in seasonal mortality of  
male host; ectoparasites may contribute to  
anemia in hosts: Powelltown, Victoria
- Acanthopsylla rothschildi rothschildi* (Rainbow,  
1905), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
*Macropus thetides*: Queensland  
*Potorous tridactylus*: Victoria  
*Trichosurus vulpecula*: Tasmania; Victoria  
*Pseudocheirus convulator*: Tasmania  
*P. peregrinus*: Victoria  
*Gymnobelideus leadbeateri*: Victoria  
*Acrobates pygmaeus*: Victoria  
*Cercartetus nanus*: "  
*Eudromicia lepida*: Tasmania  
*Burramys parvus*: New South Wales  
*Perameles nasuta*: New South Wales; Victoria  
*Dasyurops maculatus*: Tasmania; Victoria  
*Dasyurus maculatus*: New South Wales; Tas-  
mania  
*D. viverrinus*: New South Wales; Tasmania;  
Victoria  
*D. quoll*: Tasmania  
*Antechinus flavipes*: New South Wales; Queens-  
land; Victoria  
*A. Stuartii*: Victoria  
*Phascogale swainsonii*: Victoria  
*Antechinus swainsonii*: Australian Capital  
Territory; New South Wales; Victoria  
*A. s. maritima*: Victoria  
*A. minimus*: Victoria  
*Sminthopsis crassicaudata*: Victoria  
*Rattus assimilis*: Australian Capital Terri-  
tory; New South Wales; Victoria  
*R. fuscipes assimilis*: Victoria  
*R. fuscipes*: Victoria  
*R. f. greyi*: Victoria  
*R. lutreolus velutinus*: Tasmania  
*R. lutreolus*: Tasmania; Victoria  
*Hydromys chrysogaster*: Victoria  
*Gyomys fumeus*: Victoria  
*Pseudomys higginsii*: Tasmania
- Acanthopsylla rothschildi victoriana*. Jordan and  
Rothschild, 1922  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Acanthopsylla r. rothschildi*  
(Rainbow, 1905)
- Acanthopsylla saphes* Jordan and Rothschild, 1922  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Dasyurus viverrinus*  
native cat  
all from Victoria
- Acanthopsylla scintilla* (M. Rothschild).  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Acanthopsylla s. scintilla*  
(M. Rothschild, 1936)
- Acanthopsylla scintilla*  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
"Unidentifiable to Subspecies"  
*Cercartetus nanus*  
*Antechinus swainsonii*  
all from Victoria

- Acanthopsylla scintilla rectangulata* Holland, 1971, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
Cercartetus nanus: New South Wales;  
Victoria
- Acanthopsylla scintilla scintilla* (M. Rothschild, 1936), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
Dromicia concinna: Western Australia  
Cercartetus concinnus: South Australia  
Dromicia
- Acanthopsylla scintilla tasmanica* Holland, 1971, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
Eudromicia lepidus  
Dasyurus quoll  
all from Tasmania
- Acanthopsylla woodwardi* (Rothschild, 1904), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
Dasyurus geoffroyi: Western Australia
- Acari**  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
host and distribution lists of mites (Acari),  
parasitic and phoretic, in the hair of wild  
mammals of North America, north of Mexico
- Acariasis**  
Kim, J. C. S., 1977, Vet. Bull., Weybridge,  
v. 47 (4), 249-255  
pulmonary acariasis in Old World monkeys,  
prevalence, life cycle, clinical signs,  
pathology, immunity, review
- Acaridae [sp.]**  
Basolo, F., jr.; and Funk, R. C., 1974, Tr.  
Illinois State Acad. Sc., v. 67 (2), 211-221  
Peromyscus leucopus noveboracensis  
Cryptotis parva parva  
all from Coles County, Illinois
- Acarina**  
Theis, J. H.; and Ettleman, D. S., 1975, Am. J.  
Vet. Research, v. 36 (4), Part 1, 469-470  
dogs, surgical technique for cannulating  
right cervical lymphatic duct, use in study  
of lymph changes induced by feeding ticks
- Acarology.** See Part 6, Subject Headings.
- Acedestia chera* Jordan, 1937, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
Potorous tridactylus: Victoria  
Isodon obesulus: Victoria; Western  
Australia
- Achelidelphys* gen. n.  
Lafargue, F.; and Laubier, L., 1977, Arch.  
Zool. Exper. et Gen., v. 118 (2), 173-196  
Notodelphyidae  
tod: A. steinitzi sp. n.
- Achelidelphys ampla* sp. n., illus.  
Lafargue, F.; and Laubier, L., 1977, Arch.  
Zool. Exper. et Gen., v. 118 (2), 173-196  
Didemnum moseleyi  
D. cretaceum  
D. candidum  
D. spongioides  
all from Golfe d'Eilat (Mer Rouge)
- Achelidelphys nigra* sp. n., illus.  
Lafargue, F.; and Laubier, L., 1977, Arch.  
Zool. Exper. et Gen., v. 118 (2), 173-196  
Didemnum psammotodes: Golfe d'Eilat (Mer  
Rouge)
- Achelidelphys steinitzi* sp. n. (tod), illus.  
Lafargue, F.; and Laubier, L., 1977, Arch.  
Zool. Exper. et Gen., v. 118 (2), 173-196  
Didemnum candidum: Golfe d'Eilat (Mer  
Rouge)
- Achtheinus oblongus* Wilson  
Ho, J.-S., 1975, Fish Bull. (165), State  
Calif., Resources Agency, Dept. Fish and Game,  
69-72  
Rhinobatos productus  
Mustelus californicus  
all from Anaheim Bay
- Achtheres micropteri* Wright, 1882  
Baker, J. C.; and Crites, J. L., 1976, Proc.  
Helminth. Soc. Washington, v. 43 (1), 37-39  
Ictalurus punctatus (gills): island region  
of western Lake Erie
- Achtheres micropteri* Wright  
Cloutman, D. G.; and Becker, D. A., 1977, J.  
Parasitol., v. 63 (2), 372-376  
Micropterus salmoides  
M. punctulatus  
(gills of all): all from Lake Fort Smith,  
Crawford County, Arkansas
- Achtheres micropteri*  
Gruninger, T. L.; Murphy, C. E.; Britton, J.  
C., 1977, Southwest. Nat., v. 22 (4), 525-535  
Ictalurus punctatus  
Micropterus salmoides  
all from Eagle Mountain Lake, Texas
- Acomatacarus* Ewing 1942  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere



- Acomatacarus* (*Xenacarus*) *brevicalar* (sic): Crossley, 1960  
Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
as syn. of *Xenodontacarus brevicalcar* (Brennan & Jones, 1954)
- Acomatacarus brevicalcar* Brennan & Jones, 1954  
Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
as syn. of *Xenodontacarus brevicalcar* (Brennan & Jones, 1954)
- Acomatacarus* (*Xenacarus*) *plumosus* Greenberg, 1951  
Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
as syn. of *Xenodontacarus plumosus* (Greenberg, 1951) n. comb.
- Aconothobius* n. gen.  
Smit, F. G. A. M., 1975, Senckenbergiana Biol., v. 56 (4-6), 247-256  
Leptopsyllidae, Amphisyllinae, key, tod:  
*A. orientalis* (Lewis, Kulkarni & Bhat, 1972) [n. comb.]
- Aconothobius anthobius* n. sp., illus.  
Smit, F. G. A. M., 1975, Senckenbergiana Biol., v. 56 (4-6), 247-256  
Nepal
- Aconothobius martensi* (Smit, 1975) [n. comb.]  
Smit, F. G. A. M., 1975, Senckenbergiana Biol., v. 56 (4-6), 247-256
- Aconothobius orientalis* (Lewis, Kulkarni & Bhat, 1972) [n. comb.] (tod)  
Smit, F. G. A. M., 1975, Senckenbergiana Biol., v. 56 (4-6), 247-256
- Actornithophilus bicolor* (Piaget, 1880)  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Arenaria i. interpres*: Midway Atoll, Pacific Ocean
- Actornithophilus ceruleus* (Timmermann, 1954)  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Anous minutus melanogenys*: Sand Island, Midway Atoll, Pacific Ocean
- Actornithophilus incisus* (Piaget, 1880)  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Anous stolidus pileatus*: Eastern Island, Midway Atoll, Pacific Ocean
- Aega macronema* Bleeker, 1857  
Monod, T., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (319), Zool. (226), 999-1004  
as syn. of *Argathona macronema* (Bleeker, 1857)
- Aegathoa excisa* Richardson, 1901  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila excisa* (Richardson, 1901)
- Aeromychirus* g. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Listrophoridae  
tod: *Afrolistrophorus aeromys* Fain, 1970  
[comb. with *Aeromychirus* not made]
- Aetacarus nisi* (Canestrini, 1878)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Accipiter nisus*  
*Erythropus vespertinus*  
all from Moldavian SSR
- Aethon garricki* Hewitt  
Vooren, C. M.; and Tracey, D., 1976, N. Zealand J. Marine and Freshwater Research, v. 10 (3), 499-509  
incidence, intensity, age of host  
*Cheilodactylus macropterus* (gills): New Zealand
- Afrolistrophorus aeromys* Fain, 1970, to *Aeromychirus* g. n. [comb. not made] (tod)  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67
- Afrolistrophorus hornensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Euneomys ultimus*: Orange Bay, Cap Horn, Amerique du Sud
- Afrolistrophorus inca* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Lestoros inca*: Torontoy, Machu Pichu, Perou
- Afrolistrophorus maculatus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Rattus sabanus vociferans*: Gunong Benom, Pahang, Malaysia
- Afrolistrophorus maculatus* ssp. *rattus* ssp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Rattus rattus*: Lelydorp, Surinam  
*Rattus rattus frugivorus*: Brokubaka, Surinam
- Afrolistrophorus mediolineatus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
bandicoot rat: Ban Thenon, 18 Km NW Kieng-Kwang, Laos
- Afrolistrophorus musculus* (Wilson & Lawrence)  
Goff, M. L., 1975, J. Med. Entom., v. 12 (1), 52-54  
*Mus musculus*: Midway Islands
- Afrolistrophorus pakistanensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Mus* sp.: Swat State, 4 mile S. Kulam Rest House, Pakistan

- Agarna carinata* Schioedte et Meinert, 1884  
Trilles, J.-P.; and Vala, J.-C., 1975, Bull.  
Mus. National Hist. Nat., Paris, 3. s. (318),  
Zool. (225), 967-976  
as syn. of *Agarna cumulus* (Haller, 1880)  
Richardson, 1911
- Agarna cumulus* (Haller, 1880) Richardson, 1911,  
illus.  
Trilles, J.-P.; and Vala, J.-C., 1975, Bull.  
Mus. National Hist. Nat., Paris, 3. s. (318),  
Zool. (225), 967-976  
synonymy  
*Acanthurus chirurgus* (cavite branchiale  
droite): St. Anne, Guadeloupe
- Aitkenius* Brennan 1970  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Akmepsylla* Wagner, 1933  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Acanthopsylla* Jordan and Roths-  
child, 1922
- Alabidocarpus* Ewing, 1920  
McDaniel, B., 1971, Acarologia, v. 12 (4),  
803-823  
key, diagnosis
- Alabidocarpus* Ewing  
McDaniel, B., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (2), 15-32  
key
- Alabidocarpus calcaratus* Lawrence, 1952  
McDaniel, B., 1971, Acarologia, v. 12 (4),  
803-823  
*Myotis n. nigricans*: Nicaragua (Nueva  
Segovia; Chontales)
- Alabidocarpus calcaratus* Lawrence, 1952  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Alabidocarpus longipilus* Pinichpongse,  
1963
- Alabidocarpus furmani* Pinichpongse, 1963, illus.  
McDaniel, B., 1971, Acarologia, v. 12 (4),  
803-823  
*Glossophaga soricina leachii*: Chontales,  
Nicaragua  
*Anoura geoffroyi lasiopyga*: Nueva Segovia,  
Nicaragua
- Alabidocarpus furmani* Pinichpongse, 1963  
McDaniel, B., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (2), 15-32  
redescription  
*Glossophaga longirostris*  
*Carollia perspicillata*  
*C. brevicauda*  
*Vampyrops helleri*  
*Anoura caudifera*  
*Pteronotus parnellii*  
all from Venezuela
- Alabidocarpus glauconycteris* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Glauconycteris argentata*: Mwanda, Kivu,  
Zaire
- Alabidocarpus hilli* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
Megadermatidae, non identifie: Cameroun
- Alabidocarpus jonesi* n. sp., illus.  
McDaniel, B., 1971, Acarologia, v. 12 (4),  
803-823  
*Vampyrops helleri*: 1 km. N., 2.5 km. W.  
Villa Somoza, Chontales, Nicaragua
- Alabidocarpus jonesi* McDaniel, 1970, illus.  
McDaniel, B., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (2), 15-32  
redescription  
*Vampyrops helleri*: Venezuela
- Alabidocarpus laoensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Hipposideros* (?): Province Vientiane, Laos
- Alabidocarpus laviae* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Lavia frons*: Dubulu, Zaire
- Alabidocarpus longipilus* Pinichpongse, 1963  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Alabidocarpus calcaratus* Lawrence,  
1952
- Alabidocarpus megalonyx* ssp. *lankadivae* ssp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Hipposideros lankadiva*: Grotte de Pitakele,  
Ceylan
- Alabidocarpus nicaraguae* n. sp., illus.  
McDaniel, B., 1971, Acarologia, v. 12 (4),  
803-823  
*Uroderma bilobatum molaris*: Santa Rosa,  
17 km. N., 15 km. E. Boaco, Boaco, Nicaragua
- Alabidocarpus nicaraguae* McDaniel, 1970, illus.  
McDaniel, B., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (2), 15-32  
redescription  
*Uroderma magnirostrum*: Venezuela
- Alabidocarpus parryae* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Myotis (Leuconoe) adversus moluccarum*: Aore  
Is., Nouvelles-Hebrides
- Alabidocarpus vietnamensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Rhinolophus episcopus caldwelli*: Chapa,  
Tonkin, Vietnam



- Albeckia Vercammen-Grandjean* and Watkins 1966  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Albeckia senase* (Greenberg)  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, *J. Parasitol.*, v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*  
*Plecotus townsendii*  
all from Harmon County, southwestern Oklahoma
- Alcedocus annulatus*  
Rak, H.; Anwar, M.; and Niak, A., 1975, *Bull. Soc. Path. Exot.*, v. 68 (6), 588-591  
*Alcedo atthis*: Iran
- Alectopsylla* nov. gen.  
Mahnert, V., 1976, *Rev. Suisse Zool.*, v. 83 (3), 769-776  
*Ischnopsyllidae*, *Ischnopsyllinae*  
key, mt: *A. unisetosa* n. sp.
- Alectopsylla unisetosa* n. sp. (mt), illus.  
Mahnert, V., 1976, *Rev. Suisse Zool.*, v. 83 (3), 769-776  
*Myotis aff. levis*: El Hoyo de Epuyen, 12 km south of El Bolson, prov. Chubut, Argentina
- Alectorobius* subgenus spp.  
Converse, J. D.; et al., 1975, *Am. J. Trop. Med. and Hyg.*, v. 24 (6, pt. 1), 1010-1018  
vectors of Soldado virus: Wales
- Alectorobius talaje* Pocock, 1907  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Ornithodoros* (*Alectorobius*) *talaje* (Guerin-Meneville, 1849)
- Alexfainia* Yunker and Jones 1961  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Alleustathia ungulata* Gaud and Atyeo, 1967  
Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Collocalia vanikorensis*  
*C. esculenta*  
all from New Hebrides
- Alliphis* sp. Halbert  
Amanniazova, R. D., 1975, *Izvest. Akad. Nauk Turkmensk. SSR*, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Allodermanyssus muris*  
Okereke, T. A., 1971, *Bull. Entom. Soc. Nigeria*, v. 3 (1), 50-55  
*Rattus rattus*  
*Rattus rattus frugivorus*  
*Lophuromys sikapusi*  
*Uranomys foxi*  
all from Ibadan Area, Western Nigeria
- Allodermanyssus sanguineus* (Hirst)  
Sandhu, P. S.; and Kapoor, V. C., 1976, *Entom. News*, v. 87 (9-10), 292-294  
*Funambulus pennanti*: Village Barewal (Ludhiana District), India
- Allogyropus* Ewing, 1924  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
as syn. of *Gyropus* Nitzsch, 1818
- Alloptes megamerus*, Canestrini and Kramer, 1899  
Atyeo, W. T.; and Gaud, J., 1976, *J. Kansas Entom. Soc.*, v. 49 (4), 489-491  
as syn. of *Anorthalloptes megamerus* Trouesart n. comb.
- Alloptidae* Gaud  
Peterson, P. C., 1972, *Steenstrupia*, v. 2 (14), 197-205  
*Alloptidae* and *Proctophyllodidae*, associations between orders of birds and feather mite families
- Altericornu Tendeiro*, 1969  
Tendeiro, J., 1975, *Garcia de Orta, s. Zool.*, v. 4 (1), 57-69  
*Gonioididae*  
key, phylogenetic position
- Altericornu coloceroides* Tendeiro, illus.  
Tendeiro, J., 1975, *Garcia de Orta, s. Zool.*, v. 4 (1), 57-69
- Altericornu marshalli* Tendeiro, 1972  
Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Ducula bakeri*: New Hebrides
- Altericornu marshalli* Tendeiro, illus.  
Tendeiro, J., 1975, *Garcia de Orta, s. Zool.*, v. 4 (1), 57-69
- Alveonasus canestrini*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Alveonasus lahorensis*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ

- Alveonasus lahorensis*, illus.  
Sidorov, V. E., 1977, Zhurnal Obsh. Biol., v. 38 (6), 934-939  
*Alveonasus lahorensis*, formation of sub-  
stances in hemocytes leading to deposition  
of membrana propria and other connective  
membranes and to deposition of cuticle
- Amalaraeus penicilliger* (Grube 1851)  
Beaucournu, J. C., 1976, Ann. Soc. Entom.  
France, n. s., v. 12 (2), 199-213  
Ceratomyllidae of French mammals, geograph-  
ic distribution, ecology, sex ratio, epi-  
demiological role, review: France
- Amblycera*  
Emerson, K. C.; and Price, R. D., 1976, Florida  
Entom., v. 59 (4), 425-428  
Mallophaga  
key, key to families, includes: Trimeno-  
ponidae; Boopidae; Menoponidae; Ricinidae;  
Laemobothriidae; Gyropidae (Progyropinae);  
Gyropidae (Gliricollinae); Gyropidae (Gyropi-  
nae); Abrocomophagidae
- Amblyomma* Koch, 1844  
Camicas, J. L., 1970, Acarologia, v. 12 (1),  
71-102  
key to species from Senegal
- Amblyomma*  
Cerny, V., 1969, Torreia, n. s. (21), 3-8  
key to species: Cuba  
includes: *Amblyomma albopictum*; *A. caje-  
nense*; *A. dissimile*; *A. torrei*
- Amblyomma* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young  
Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key to species of Western Hemisphere
- Amblyomma* sp.  
Clifford, C. M.; Flux, J. E. C.; and Hoog-  
straal, H., 1976, J. Med. Entom., v. 13 (1),  
40-47  
Ixodidae on *L. c.*, seasonal and regional  
abundance, age and sex of host  
*Lepus capensis*: Kenya  
*L. crawshayi*: Kenya; Uganda
- Amblyomma* sp.  
d'Huart, J. P., 1973, Rev. Zool. et Botan.  
Africains, v. 87 (2), 421-424  
*Potamochoerus*  
*Hylochoerus meinertzhageni*  
all from Africa
- Amblyomma* spp.  
Jones, E. K.; et al., 1972, Brigham Young  
Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Agouti paca*  
*Cebus nigrivittatus*  
*Cercopithecus thomasi*  
*Coendou prehensilis*  
*Dasyprocta* sp.  
*Echimys semivillosus*  
*Hydrochaeris hydrochaeris*  
*Homo sapiens*  
*Mazama americana*  
*Proechimys semispinosus*  
*Tayassu pecari*  
*Tayassu tajacu*  
*Akodon urichi*  
*Myotis keaysi*
- Amblyomma* spp.-- Continued.  
Jones, E. K.; et al., 1972, Brigham Young  
Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Sciurus granatensis*  
*Sigmodon hispidus*  
*Uroderma bilobatum*  
*Carollia perspicillata*  
*Cebus albifrons*  
*Didelphis* sp.  
*Didelphis marsupialis*  
*Dasyus* sp.  
*Dasyus kappleri*  
*Dasyprocta aguti*  
*Holochilus brasiliensis*  
*Lutreolina crassicaudata*  
lizard  
*Myrmecophaga tridactyla*  
*Mazama gouazoubira*  
*Monodelphis brevicaudata*  
*Marmosa cinerea*  
*Marmosa murina*  
*Neacomys tenuipes*  
*Nectomys squamipes*  
*Nasua nasua*  
*Noctilio labialis*  
*Odocoileus virginianus*  
*Oryzomys* sp.  
*Oryzomys fulvescens*  
*Oryzomys concolor*  
*Proechimys guyannensis*  
*Proechimys hoplomysoides*  
*Pithecia pithecia*  
*Philander opossum*  
*Rhipidomys macconnelli*  
*Sciurus igniventris*  
*Sturnira lilium*  
*Sturnira tildae*  
*Sylvilagus brasiliensis*  
*Tapirus terrestris*  
*Zygodontomys brevicauda*  
*Glossophaga soricina*  
*Carollia brevicauda*  
*Eptesicus montosus*  
*Felis pardalis*  
*Glossophaga longirostris*  
*Alouatta seniculus*  
*Heteromys anomalus*  
*Saccoteryx bilineata*  
*Tamandua longicaudata*  
*Artibeus jamaicensis*  
*Marmosa robinsoni*  
*Sylvilagus floridanus*  
bird  
*Bradypus infulscatus*  
*Vampyrops helleri*  
*Dasyus novemcinctus*  
*Felis yagouaroundi*  
*Galictis vittatus*  
*Sigmomys alstoni*  
snake  
*Oryzomys bicolor*  
*Pteronotus parnellii*  
*Rattus rattus*  
*Bassaricyon gabbi*  
*Callicebus torquatus*  
*Chiropetes satanas*  
*Dasyprocta fuliginosa*  
*Echimys armatus*  
*Isothrix bistriata*  
*Molossops planirostris*  
*Molossus ater*  
*Myoprocta pratti*  
*Sciurus gilvigularis*  
*Ameiva* sp.  
*Artibeus lituratus*  
*Desmodus rotundus*



## Amblyomma spp.--Continued.

- Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 Iguana sp.  
 Metachirus nudicaudatus  
 Chiroderma villosum  
 Chironectes minimus  
 Agouti sp.  
 Aotus trivirgatus  
 Conepatus semistriatus  
 Dasyprocta variegata  
 Eira barbara  
 Orzomys capito  
 Proechimys canicollis  
 Tamandua tetradactyla  
 squamata  
 all from Venezuela

## Amblyomma [sp.], probably cajennense

- Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 Hydrochaeris hydrochaeris  
 Dasyprocta aguti  
 all from Venezuela

## Amblyomma [sp.], probably extraoculatum

- Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 Hydrochaeris hydrochaeris: Venezuela

## Amblyomma [sp.], probably longirostre

- Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 Sciurus granatensis: Venezuela

## Amblyomma [sp.], probably ovale

- Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 Zygodontomys brevicaudata  
 Oryzomys concolor  
 all from Venezuela

## Amblyomma spp.

- Lim, B. L., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 605-612  
 Rattus muelleri: rainforests in West Malaysia

## Amblyomma sp.

- Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
 Iguana iguana  
 Homo sapiens  
 Dasyus novemcinctus  
 Sciurus yucatanensis  
 Coendu mexicanus  
 Canis familiaris  
 Urocyon cinereoargenteus  
 Equus caballus  
 Sus scrofa  
 Bos taurus  
 all from British Honduras

## Amblyomma albolimbatus Neumann

- Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110  
 Aponomma hydrosauri, Amblyomma albolimbatus, A. limbatus, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia

## Amblyomma albolimbatus Neumann

- Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 91-101  
 Aponomma hydrosauri, Amblyomma albolimbatus, A. limbatus, survey, distributions overlap remarkably little over long boundaries, roughly correlated with climate, vegetation, and, in one case, soil  
 Amphibolurus barbatus: South Australia  
 A. ornatus  
 Moloch horridus  
 Egernia multiscutata: South Australia

## Amblyomma albopictum Newmann, 1899, illus.

- Cerny, V., 1969, Torreia, n. s. (21), 3-8 description, morphology of adults, key  
 Cyclura m. macleani  
 Epicrates a. angulifer  
 all from Cuba

## Amblyomma albopictum

- Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 key

## Amblyomma americanum (L.)

- Barker, R. W.; et al., 1973, J. Med. Entom., v. 10 (2), 198-201  
 Amblyomma americanum, oral secretions collected after 3 stimulation techniques (infrared heat, pilocarpine injection, and electrical stimulation), comparison of composition, volume, and freezing point depression

## Amblyomma americanum

- Berger, R. S., 1972, Science (4050), v. 177, 704-705  
 Amblyomma americanum females, identification of 2,6-dichlorophenol, possible sex pheromone

## Amblyomma americanum (Linnaeus)

- Berger, R. S.; Dukes, J. C.; and Chow, Y. S., 1971, J. Med. Entom., v. 8 (1), 84-86  
 Amblyomma americanum, A. maculatum, Dermatocentor variabilis, pheromone from female extracts excited males and resulted in responses reminiscent of mating behavior, males must reach state of maturity initiated by feeding before they will respond; chemical properties indicate it is a weak acid, possibly a phenol, site of extract production appears to be female reproductive organs

## Amblyomma americanum

- Brown, D. J.; Sauer, J. R.; and Needham, G. R., 1975, Ann. Entom. Soc. Am., v. 68 (4), 768-770  
 Amblyomma americanum, comparison of extracellular fluid volume (inulin space) of salivary glands incubated with and without adrenaline, total tissue water content increased in adrenaline-incubated glands, significance to mechanisms of fluid transport across tick salivary glands discussed

## Amblyomma americanum

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- Amblyomma americanum* (L.)  
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- Amblyomma americanum* (Linnaeus)  
Dukes, J. C.; and Rodriguez, J. G., 1976, *J. Kansas Entom. Soc.*, v. 49 (4), 562-566  
Dermacentor variabilis, *Amblyomma americanum*, *Rhipicephalus sanguineus*, choice tube bioassay to measure responses to various host odors and several chemical compounds
- Amblyomma americanum*  
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fluorescent antibody technique suitable for identification of *Theileria cervi* in salivary glands or oral secretions of *Amblyomma americanum* (laboratory infected and field collected), high infection rates of field collected ticks indicate potentially a very efficient vector: eastern Oklahoma
- Amblyomma americanum* (L.)  
Gladney, W. J.; Ernst, S. E.; and Drummond, R. O., 1974, *J. Med. Entom.*, v. 11 (5), 569-572  
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- Amblyomma americanum*  
Grothaus, R. H.; Reed, J. T.; and Passingham, L. H., 1976, *Am J. Trop. Med. and Hyg.*, v. 25 (5), 747-750  
*Amblyomma americanum*, field evaluation of deet and 3 acetyl-2-(dimethyl-5-heptenyl)-oxazolidine-impregnated ground cloths as arthropod repellents
- Amblyomma americanum* (L.)  
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*Amblyomma americanum*, *A. maculatum*, *Dermacentor variabilis*, critical equilibrium humidity, effects of low and high humidities on rates of weight change, total water content, hemolymph volume, and humidity preference, correlation with geographical distribution and resistance to dehydration
- Amblyomma americanum*  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
key
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- Amblyomma americanum*  
McMullen, H. L., 1976, *J. Kansas Entom. Soc.*, v. 49 (4), 530 [Abstract]  
*Amblyomma americanum*, mouth as site of water vapor uptake, possible mechanisms
- Amblyomma americanum*  
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- Amblyomma americanum*  
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- Amblyomma americanum*  
Mount, G. A.; et al., 1976, *J. Econom. Entom.*, v. 69 (2), 257-259  
*Amblyomma americanum*, control with granules or concentrated sprays of diazinon, propoxur, and chlorpyrifos, drug efficacy: wooded plots at Camp Lejeune, North Carolina
- Amblyomma americanum*  
Needham, G. R.; and Sauer, J. R., 1975, *J. Insect Physiol.*, v. 21 (12), 1893-1898  
*Amblyomma americanum*, salivary fluid secretion from isolated salivary glands, stimulating and inhibiting effects of various substances, mechanisms and control of glandular function
- Amblyomma americanum*  
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- Amblyomma americanum* (L.)  
Robertson, A. S.; et al., 1975, *J. Med. Entom.*, v. 12 (5), 525-529  
*Amblyomma americanum*, unfed male and female adults, daily and seasonal behavior in relation to temperature, humidity, and photoperiod in different habitats, behavioral patterns suggest activity regulation by body water content: Cookson Hills State Game Refuge, Cherokee County, Oklahoma
- Amblyomma americanum* (L.)  
Robertson, A. S.; et al., 1975, *J. Med. Entom.*, v. 12 (5), 530-534  
*Amblyomma americanum*, molting behavior of engorged nymphs and larvae in 2 contrasting habitats, effect of environmental conditions on molting time and post-molt activity: Cherokee Co., Oklahoma
- Amblyomma americanum*  
Sauer, J. R.; Mincolla, P. M.; and Needham, G. R., 1976, *Comp. Biochem. and Physiol.*, v. 53 (2C), 63-66  
*Amblyomma americanum*, isolated salivary glands, effects of adrenaline, cyclic AMP, and inhibitors on function (uptake of chloride and fluid secretion)
- Amblyomma americanum*  
Semtner, P. J.; and Hair, J. A., 1973, *J. Med. Entom.*, v. 10 (4), 337-344  
*Amblyomma americanum* adults, daily and seasonal activity patterns, vertical migration, climatic conditions, different habitat types
- Amblyomma americanum* (L.)  
Semtner, P. J.; Sauer, J. R.; and Hair, J. A., 1973, *J. Med. Entom.*, v. 10 (2), 202-205  
*Amblyomma americanum*, molting time of replete nymphs under field conditions, seasonal variance; post-molt behavior of adults during first and second summer in different habitats, survival, overwintering success
- Amblyomma americanum* (L.)  
Strother, G. R.; Burns, E. C.; and Smart, L. I., 1974, *J. Med. Entom.*, v. 11 (5), 559-563  
*Amblyomma americanum*, purebred Brahman cattle and Brahman x Hereford crossbreds considerably more resistant than purebred Herefords as measured by average yield and weight of replete female ticks and egg hatchability
- Amblyomma americanum*  
Thornton, J. E.; et al., 1973, *J. Wildlife Dis.*, v. 9 (2), 160-162  
Antelope cervicapra: Texas
- Amblyomma americanum* (Linnaeus 1758)  
Towell, D. E.; and Price, M. A., 1976, *Southwest. Entom.*, v. 1 (1), 20  
*Bassariscus astutus flavus*: Kerr County, Texas
- Amblyomma americanum*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, *Proc. Indiana Acad. Sci.*, v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana
- Amblyomma americanum*  
Wood, W. F.; et al., 1975, *J. Chem. Ecol.*, v. 1 (4), 501-509  
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay
- Amblyomma antillarum*  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp. key
- Amblyomma auricularium* (Conil, 1878) Lahille, 1905  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp. key  
Syn.: *Ixodes auricularius* Conil, 1878  
*Cerdocyon thous*  
*Tamandua longicaudata*  
*Dasyus novemcinctus*  
*Conepatus semistriatus*  
*Galictis vittatus*  
*Dasyus sabanicola*  
all from Venezuela
- Amblyomma auricularium*  
Varma, M. G. R., 1973, *Tr. Roy. Soc. Trop. Med. and Hyg.*, v. 67 (1), 92-102  
*Dasyus novemcinctus*  
*Coendu mexicanus*  
*Urocyon cinereoargenteus*  
all from British Honduras
- Amblyomma avicola* Neumann, 1899  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
as syn. of *Amblyomma longirostre* (Koch, 1844)
- Amblyomma boneti* Hoffmann, 1946  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
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- Amblyomma bouthieri* Senevet, 1940  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
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- Amblyomma brasiliense*  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp. key
- Amblyomma cajennense* (Fabricius), illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, *J. Med. Entom.*, v. 9 (6), 487-494
- Amblyomma cajennense*  
Coombs, D. W.; and Springer, M. D., 1974, *J. Wildlife Dis.*, v. 10 (4), 436-441  
*Sus scrofa domesticus* x *Sus scrofa cristatus*: Arkansas National Wildlife Refuge, southern Texas

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Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
Syn.: *Ixodes cajennensis* Fabricius, 1794  
*Cerdocyon thous*  
*Tapirus terrestris*  
*Tayassu pecari*  
*Tayassu tajacu*  
*Dasyprocta aguti*  
*Choeroniscus minor*  
*Tamandua longicaudata*  
*Myrmecophaga tridactyla*  
*Sigmodon hispidus*  
*Alouatta seniculus*  
*Procyon cancrivorus*  
*Dasyprocta novemcinctus*  
*Prionodontes maximus*  
*Hydrochaeris hydrochoeris*  
human  
all from Venezuela
- Amblyomma cajennense* (F.)  
Meleney, W. P., 1975, J. Parasitol., v. 61 (3), 530-534  
*Tayassu tajacu*: Texas (West Ranch, Live Oak County; 8 miles NW of Raymondville, Willacy County; King Ranch, Armstrong, Kennedy County)
- Amblyomma cajennense*  
Miller, R. M.; Price, M. A.; and Kuttler, K. L., 1976, Southwest Entom., v. 1 (3), 107-110  
*Amblyomma americanum*, *A. cajennense*, nymphs feeding on *Anaplasma marginale* and *Theileria* infected cattle, attempted transstadial transmission to splenectomized calves, unsuccessful
- Amblyomma cajennense* (Fabricius)  
Patrick, C. D.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (3), 389-390  
multi-host ticks, laboratory rearing procedures and equipment
- Amblyomma cajennense*  
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cattle, incidence and geographic distribution: Cuba
- Amblyomma cajennense* (F.)  
Rawlins, S. C.; and Mansingh, A., 1977, J. Econom. Entom., v. 70 (6), 697-698  
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- Amblyomma cajennense*  
Smith, M. W., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 36 [Demonstration]  
ecology: Trinidad
- Amblyomma cajennense* (Fabricius 1787)  
Smith, M. W., 1975, Ann. Trop. Med. and Parasitol., v. 69 (1), 121-129  
*Amblyomma cajennense*, distribution, populations, host range, distribution relative to several factors (temperature, relative humidity, rainfall, soil type, soil drainage, grass length, land utilization, livestock movements), seasonal variations, life cycle under controlled laboratory conditions, implications of findings for tick control: Trinidad
- Amblyomma cajennense*  
Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
Homo sapiens  
*Dasyprocta novemcinctus*  
*Canis familiaris*  
*Urocyon cinereoargenteus*  
*Equus caballus*  
*Sus scrofa*  
*Bos taurus*  
all from British Honduras
- Amblyomma cajennense*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Tapirus terrestris*: zoo in Belem, Para, Brazil
- Amblyomma calcaratum* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
*Tamandua longicaudata*: Venezuela  
*Vampyrops oratus*: Venezuela  
*Myrmecophaga tridactyla*: Venezuela  
*Tamandua tetradactyla*: Venezuela  
*Macrophyllum macrophyllum*: Venezuela  
[no host]: French Guiana; Ecuador; Brazil; Bolivia
- Amblyomma coelebs* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key  
*Tapirus terrestris*: Venezuela  
*Hydrochaeris hydrochoeris*: Venezuela  
*Myrmecophaga tridactyla*: Colombia
- Amblyomma coelebs*  
Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
Homo sapiens: British Honduras
- Amblyomma cohaerens*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
ane  
cheval  
mouton  
zebu  
all from Ethiopia
- Amblyomma cohaerens* Doenitz, 1909  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
*Hylochoerus meinertzhageni*: Africa
- Amblyomma cooperi* Nuttall & Warburton, 1908  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
Syn.: *Amblyomma lutzi* Aragao, 1908
- Amblyomma crassum* Robinson, 1926  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma cruciferum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key



- Amblyomma cruciferum* Neumann  
Maldonado Capriles, J.; and Medina-Gaud, S., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 402-404  
Cyclura stejnegeri: Mona Island
- Amblyomma cuneatum* Neumann, 1899  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Hylochoerus meinertzhageni: Africa
- Amblyomma cyprium cyprium* Neumann, 1899  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Rattus exulans  
pig  
man  
Gallus gallus  
Chalcophaps indica  
Halcyon chloris  
all from New Hebrides
- Amblyomma darwini*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma dissimile* Koch, 1844  
Cerny, V., 1969, Torreia, n. s. (21), 3-8  
key  
Bufo peltacephalus  
B. peltacephalus fustiger  
all from Cuba
- Amblyomma dissimile* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
Syn.: *Amblyomma irroratum* Koch, 1844  
lizard  
squamata  
iguana  
rattlesnake  
toads  
Boa  
Boa constrictor  
Bufo  
taequ  
Proechimys semispinosus  
snake  
all from Venezuela
- Amblyomma dissimile*  
Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
Iguana iguana: British Honduras
- Amblyomma eburneum*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
chevre  
mouton  
zebu  
all from Ethiopia
- Amblyomma eburneum*  
Converse, J. D.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 411-412 [Letter]  
Cameroun
- Amblyomma extraoculatum* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key  
Hydrochaeris hydrochoeris: Dutch Guiana; Venezuela  
Didelphis marsupialis: Venezuela
- Amblyomma fulvum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma geayi*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma gemma*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
dromadaire  
mouton  
zebu  
all from Ethiopia
- Amblyomma gemma* Donitz  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
Giraffa camelopardalis tippelskirchi: Kenya
- Amblyomma geoemydae*  
Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
seasonal prevalence  
Trimeresurus flavoviridis: southern Amami-oshima Islands
- Amblyomma geoemydae*  
Lim, B. L., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 605-612  
Rattus rajah: rainforests in West Malaysia
- Amblyomma giganteum* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma longirostre* (Koch, 1844)
- Amblyomma goeldii*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma goeldii* Neumann, 1899 (pro parte)  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma rotundatum* Koch, 1844
- Amblyomma hebraeum* (Koch)  
Baker, J. A. F.; Thompson, G. E.; and Miles, J. O., 1977, J. South African Vet. Ass., v. 48 (1), 59-65  
*Amblyomma hebraeum*, resistance to toxaphene, in vitro and in vivo trials: Republic of South Africa; Swaziland; Transkei

- Amblyomma hebraeum*  
 Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
 Argasidae and Ixodidae, geographic distribution in Ethiopia  
 zebu: Ethiopia
- Amblyomma hebraeum* Koch  
 Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742  
 fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal
- Amblyomma hebraeum* Koch  
 Kaufman, W. R., 1977, European J. Pharmacol., v. 45 (1), 61-68  
 Dermacentor andersoni, Amblyomma hebraeum, isolated salivary glands, influence of adrenergic agonists and their antagonists on salivary fluid secretion
- Amblyomma hebraeum* (Koch)  
 Kaufman, W. R.; Diehl, P. A.; and Aeschlimann, A. A., 1976, Experientia, v. 32 (8), 986-987  
 Amblyomma hebraeum, increased Na, K-ATPase activity in salivary glands of feeding females, no activity changes in feeding males
- Amblyomma hebraeum*  
 McConnell, E. E.; et al., 1974, Onderstepoort J. Vet. Research, v. 41 (3), 97-168  
 pathological and parasitological survey of 100 free-ranging chacma baboons  
 Papio ursinus (skin): Kruger National Park, Transvaal
- Amblyomma hebraeum*  
 Matthewson, M. D.; and Baker, J. A. F., 1975, J. South African Vet. Ass., v. 46 (4), 341-344  
 arsenic resistance: Republic of South Africa; Swaziland
- Amblyomma hebraeum*  
 Norval, R. A. I., 1976, Rhodesian Vet. J., v. 7 (3), 63  
 Haemaphysalis leachii muhsami, Amblyomma nuttalli, A. hebraeum, lizards as opportunist tick predators, ticks found in lizard stomachs or lizards observed feeding on ticks
- Amblyomma hebraeum* Koch 1844  
 Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 734-739  
 Amblyomma hebraeum, distribution of larvae in relation to vegetation and microclimate, seasonal activity of all stages in relation to macroclimate, life cycle normally of 3 years duration, adult and nymphal activity correlated with daylength, temperature, and rainfall: Eastern Cape Province, South Africa
- Amblyomma hebraeum*  
 Norval, R. A. I., 1977, J. Parasitol., v. 63 (4), 740-747  
 Amblyomma hebraeum, survival and rate of development in relation to temperature and humidity under laboratory and field conditions, longevity of unfed ticks, ecological implications of results
- Amblyomma hebraeum* (Koch), illus.  
 Rechav, Y.; Whitehead, G. B.; and Knight, M. M., 1976, Nature, London (5544), v. 259, 563-564  
 Amblyomma hebraeum, aggregation response of nymphs to pheromone(s) produced by males
- Amblyomma humerale*  
 Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 key
- Amblyomma imitator*  
 Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 key
- Amblyomma imitator* Kohls  
 Meleney, W. P., 1975, J. Parasitol., v. 61 (3), 530-534  
 Tayassu tajacu: Mexico
- Amblyomma incisum* Neumann, 1906  
 Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 synonymy, key  
 Tapirus terrestris: Venezuela
- Amblyomma inornatum* (Banks), illus.  
 Eads, R. B.; and Borom, M., 1975, J. Med. Entom., v. 12 (5), 493-496  
 synonymy, description of larva and nymph, evidence that breeding occurs throughout year  
 Sigmodon hispidus: Jutiapa, Guatemala; Durango, Mexico; Cameron County, Texas  
 Odocoileus virginianus: Sinton, Texas  
 Angora goat: Uvalde, Texas  
 leopard cat: Willacy Co., Texas  
 "wild cat": Brownsville, Texas  
 Toxostoma curvirostre: Cameron County, Texas  
 Spermophilus mexicanus: Cameron County, Texas  
 Geococcyx californianus: Cameron County, Texas  
 Dasypus novemcinctus: Cameron County, Texas
- Amblyomma inornatum*  
 Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 key
- Amblyomma irroratum* Koch, 1844  
 Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
 as syn. of Amblyomma dissimile Koch, 1844
- Amblyomma lepidum*  
 Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
 Argasidae and Ixodidae, geographic distribution in Ethiopia  
 chevre  
 dromadaire  
 zebu  
 all from Ethiopia
- Amblyomma limbatum* Neumann  
 Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110  
 Aponomma hydrosauri, Amblyomma albolimbatum, A. limbatum, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia



- Amblyomma limbatum* Neumann  
Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 91-101  
Aponomma hydrosauri, *Amblyomma albolimbatum*, A. limbatum, survey, distributions overlap remarkably little over long boundaries, roughly correlated with climate, vegetation, and, in one case, soil  
Amphibolurus barbatus  
A. cristatus  
A. pictus  
Gymnodactylus milii  
Egernia margaretae personata  
Tiliqua occipitalis  
Varanus giganteus  
Demansia nuchalis  
D. textilis  
all from South Australia
- Amblyomma loculosum*  
Converse, J. D.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 1010-1018  
+(litter under coconut trees): Seychelles, Indian Ocean
- Amblyomma loculosum* Neumann 1907, illus.  
Hoogstraal, H.; et al., 1976, Ann. Entom. Soc. Am., v. 69 (1), 3-14  
Amblyomma loculosum, diagnosis of adult, nymphal, and larval stages, hosts and geographic distribution, possible role as vector of human and wildlife viral infections, life cycle in laboratory  
domestic rabbits (exper.)  
Fregata a. ariel: Tanzania, Indian Ocean; Cocos Keeling, Indian Ocean; Australia, Queensland, Coral Sea  
Phaethon l. lepturus: Seychelles, Indian Ocean  
Sterna dougallii arideensis (feet): Seychelles, Indian Ocean  
S. fuscata nubilosa (wing joint, gular skin): Seychelles, Indian Ocean  
Sula leucogaster plotus (foot): Seychelles, Indian Ocean; Australia, Queensland, Coral Sea  
+S. dactylatra melanops (nest): Seychelles  
Mabuya wrightii: Seychelles, Indian Ocean  
Anous stolidus antelius: Mauritius, Indian Ocean; Australia, Queensland, Coral Sea  
Sula dactylatra bedouti: Cocos Keeling, Indian Ocean  
Fregata m. minor: Cocos Keeling, Indian Ocean  
humans (arm): Australia, Queensland, Coral Sea; Caroline Atoll, Palau, Pacific Ocean  
goats: Australia, Queensland, Coral Sea  
Fregata minor peninsulae: Australia, Queensland, Coral Sea  
Puffinus pacificus chlororhynchus: Australia, Queensland, Coral Sea  
Sula sula rubripes: Australia, Queensland, Coral Sea; Caroline Atoll, Palau, Pacific Ocean  
Sterna fuscata serrata: Caroline Atoll, Palau, Pacific Ocean
- Amblyomma longirostre* (Koch, 1844)  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key  
Coendou prehensilis: Venezuela  
Artibeus lituratus: Venezuela  
Sciurus granatensis: Venezuela  
birds: Butler, Pennsylvania
- Amblyomma longirostre*  
Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
Coendu mexicanus: British Honduras
- Amblyomma lutzi* Aragao, 1908  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma cooperi* Nuttall & Warburton, 1908
- Amblyomma maculatum* Koch  
Ahrens, E. H.; et al., 1977, J. Econom. Entom., v. 70 (5), 581-585  
Amblyomma maculatum, cattle, field trials to evaluate effectiveness of insecticide-impregnated ear tags, ear bands, neck bands, and asphalt-base aerosols, prevention of screwworm infestations by controlling ticks
- Amblyomma maculatum*  
Barker, D. M.; Guenther, P. E.; and Sauer, J. R., 1977, Comp. Biochem. and Physiol., v. 57 (1C), 17-23  
Amblyomma maculatum, development of simple in vitro technique enabling measurement of transepithelial electrical potential across isolated tick gut
- Amblyomma maculatum* Koch  
Berger, R. S.; Dukes, J. C.; and Chow, Y. S., 1971, J. Med. Entom., v. 8 (1), 84-86  
Amblyomma americanum, A. maculatum, Dermatocentor variabilis, pheromone from female extracts excited males and resulted in responses reminiscent of mating behavior, males must reach state of maturity initiated by feeding before they will respond; chemical properties indicate it is a weak acid, possibly a phenol, site of extract production appears to be female reproductive organs
- Amblyomma maculatum*  
Coombs, D. W.; and Springer, M. D., 1974, J. Wildlife Dis., v. 10 (4), 436-441  
Sus scrofa domesticus x Sus scrofa cristatus: Aransas National Wildlife Refuge, southern Texas
- Amblyomma maculatum* Koch  
Gladney, W. J., 1976, J. Econom. Entom., v. 69 (6), 757-760  
insecticides, field trials in controlled-release devices for control of *Amblyomma maculatum* and *Cochliomyia hominivorax*, cattle: northeastern Starr Co., Texas
- Amblyomma maculatum* Koch  
Graham, O. H.; Gladney, W. J.; and Beltran G., L. G., 1975, Folia Entom. Mexicana (33), 66-67  
Amblyomma maculatum, comparison of distribution and economic importance, in Mexico and United States
- Amblyomma maculatum*  
Guenther, P. E.; Sauer, J. R.; and Barker, D. M., 1977, Comp. Biochem. and Physiol., v. 57 (1C), 25-30  
Amblyomma maculatum, effect of drugs on transepithelial potential across isolated tick gut tissue

*Amblyomma maculatum* Koch

Hair, J. A.; Sauer, J. R.; and Durham, K. A., 1975, *J. Med. Entomol.*, v. 12 (1), 37-47

*Amblyomma americanum*, *A. maculatum*, *Dermacentor variabilis*, critical equilibrium humidity, effects of low and high humidities on rates of weight change, total water content, hemolymph volume, and humidity preference, correlation with geographical distribution and resistance to dehydration

*Amblyomma maculatum* Koch, 1844

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

key

Syn.: *Amblyomma rubripes* Koch, 1844

horses

*Cerdocyon thous*

all from Venezuela

*Amblyomma maculatum* Koch

Patrick, C. D.; and Hair, J. A., 1975, *J. Med. Entomol.*, v. 12 (3), 389-390

multi-host ticks, laboratory rearing procedures and equipment

*Amblyomma maculatum* Koch

Semtner, P. J.; and Hair, J. A., 1975, *J. Med. Entomol.*, v. 12 (1), 137-138

*Amblyomma maculatum*, *Dermacentor variabilis*, population sampling using carbon dioxide-baited traps compared with sweep sampling technique, traps appear to be useful survey tool: Oklahoma

*Amblyomma maculatum* Koch

Wanchinga, D. M., 1977, *Virginia J. Sc.*, v. 28 (2), 69 [Abstract]

*Amblyomma maculatum*, attachment and development on host albino rats deficient in vitamins (A, K, thiamine) and minerals (Ca, Na)

*Amblyomma maculatum* Koch

Williams, R. E.; and Hair, J. A., 1976, *Ann. Entom. Soc. Am.*, v. 69 (3), 403-404

*Amblyomma maculatum*, eastern meadowlarks, statistical analysis showed no significant correlations to exist between measured parameters (weight, total solid plasma protein, hemoglobin, packed cell volume) and tick infestation levels

*Sturnella magna*: Oklahoma

*Amblyomma maculatum* Koch

Williams, R. E.; Hair, J. A.; and Buckner, R. G., 1977, *J. Econom. Entomol.*, v. 70 (2), 229-233

*Amblyomma maculatum*, effects of high and low tick infestations on blood composition and weights of steers fed a standardized diet; decreased numbers of ticks on cattle over time, possibly due to acquired resistance

*Amblyomma marmoreum*

Bergeon, P.; and Balis, J., 1974, *Rev. Elevage et Med. Vet. Pays Trop.*, n.s., v. 27 (3), 285-299

Argasidae and Ixodidae, geographic distribution in Ethiopia

*Amblyomma marmoreum* Koch 1844

Norval, R. A. I., 1975, *J. Parasitol.*, v. 61 (4), 737-742

*Amblyomma marmoreum*, ecology: habitat preference, seasonal activity, seasonal occurrence on hosts, life cycle in laboratory correlated with field observations, temperature dependence of feeding time, effects of host seasonal behavior

*Geochelone pardalis*

*Bitis arietans*

*Dispholidus typhus*

*Varanus albigularis*

*Numida meleagris*

*Hagedashia hagedash*

*Lophoceros flavirostris*

*Streptopelia capicola*

*Emberiza flaviventris*

*Mirafr africana*

*Lepus* sp.

*Procavia capensis*

*Sylvicapra grimmia*

*Tragelaphus scriptus*

*Canis mesomelas*

*Felis caracal*

all from Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa

*Amblyomma multipunctum* Neumann, 1899

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

key

*Amblyomma naponense* (Packard, 1869)

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

key

Syn.: *Ixodes naponensis* Packard, 1869

*Tayassu tajacu*

*Tayassu pecari*

*Agouti paca*

all from Venezuela

*Amblyomma neumanni*

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

key

*Amblyomma nitidum*

Kitaoka, S.; and Suzuki, H., 1974, *Eisei Dobutsu* (Japan. J. San. Zool.), v. 25 (1), 21-26

seasonal prevalence

*Laticauda laticaudata*: southern Amami-oshima Islands

*Amblyomma nodosum* Neumann, 1899

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

key

Syn.: *Amblyomma uncatum* Nuttall & Warburton, 1908

*Tamandua longicaudata*

*Myrmecophaga tridactyla*

all from Venezuela

*Amblyomma nuttalli*

Bergeon, P.; and Balis, J., 1974, *Rev. Elevage et Med. Vet. Pays Trop.*, n.s., v. 27 (3), 285-299

Argasidae and Ixodidae, geographic distribution in Ethiopia

zebu: Ethiopia

- Amblyomma nuttalli* Donitz, 1909, illus.  
Camicas, J. L., 1970, *Acarologia*, v. 12 (1), 71-102  
key, larva described, measurements  
*Francolinus bicalcaratus*  
*Hystrix cristata*  
*Euxerus erythropus*  
*Genetta genetta senegalensis*  
*Centropus senegalensis*  
all from Senegal
- Amblyomma nuttalli*  
Norval, R. A. I., 1976, *Rhodesian Vet. J.*, v. 7 (3), 63  
*Haemaphysalis leachii muhsami*, *Amblyomma nuttalli*, *A. hebraeum*, lizards as opportunist tick predators, ticks found in lizard stomachs or lizards observed feeding on ticks
- Amblyomma oblongoguttatum* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
Syn.: *Amblyomma vittatum* Neumann, 1899  
*Homo sapiens*  
*Tayassu tajacu*  
*Tayassu pecari*  
*Hydrochaeris hydrochaeris*  
*Tapirus terrestris*  
tapir  
all from Venezuela
- Amblyomma oblongoguttatum*  
Varma, M. G. R., 1973, *Tr. Roy. Soc. Trop. Med. and Hyg.*, v. 67 (1), 92-102  
*Canis familiaris*  
*Urocyon cinereoargenteus*  
both from British Honduras
- Amblyomma ovale* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key  
*Cercodyon thous*  
*Eira barbara*  
*Proechimys semispinosus*  
*Tapirus terrestris*  
*Proechimys guyannensis*  
*Holochilus brasiliensis*  
*Zygodontomys brevicauda*  
*Procyon cancrivorus*  
*Heteromys anomalus*  
*Felis onca*  
*Homo sapiens*  
*Conepatus semistriatus*  
*Proechimys canicollis*  
all from Venezuela
- Amblyomma ovale*  
Varma, M. G. R., 1973, *Tr. Roy. Soc. Trop. Med. and Hyg.*, v. 67 (1), 92-102  
*Canis familiaris*: British Honduras
- Amblyomma ovatum* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma tigrinum* Koch, 1844
- Amblyomma pacae* Aragao, 1911  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key  
*Proechimys semispinosus*  
*Agouti paca*  
*Tamandua tetradactyla*  
all from Venezuela
- Amblyomma parvitarsum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma parvum* Aragao, 1908  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
*Carollia brevicauda*  
*Sylvilagus floridanus*  
*Procyon cancrivorus*  
all from Venezuela
- Amblyomma paulopunctatum* Neumann, 1899  
d'Huart, J. P., 1973, *Rev. Zool. et Botan. Africains*, v. 87 (2), 421-424  
*Phacochoerus*  
*Potamochoerus*  
*Hylochoerus meinertzhageni*  
all from Africa
- Amblyomma pecarium*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma pictum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma pilosum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma pomposum* Doenitz, 1909  
d'Huart, J. P., 1973, *Rev. Zool. et Botan. Africains*, v. 87 (2), 421-424  
*Phacochoerus*: Africa
- Amblyomma pseudoconcolor*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma rhinocerotis* (De Geer, 1778)  
d'Huart, J. P., 1973, *Rev. Zool. et Botan. Africains*, v. 87 (2), 421-424  
*Phacochoerus*: Africa
- Amblyomma rotundatum* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
Syn.: *Amblyomma goeldii* Neumann, 1899 (pro parte)  
*Choeroniscus minor*  
*Bufo marinus*  
all from Venezuela
- Amblyomma rubripes* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma maculatum* Koch, 1844
- Amblyomma sabanerae*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key



- Amblyomma scalpturatum* Neumann, 1906  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key  
*Tapirus terrestris*  
*Myrmecophaga tridactyla*  
all from Venezuela
- Amblyomma scutatum* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key  
Syn.: *Amblyomma boneti* Hoffmann, 1946
- Amblyomma sparsum* Neumann, 1899, illus.  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
key, larva described, measurements
- Amblyomma splendidum* Giebel, 1877  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Potamochoerus: Africa
- Amblyomma striatum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma tapirellum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma tapirellum*  
Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
British Honduras
- Amblyomma testudinarium*  
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions
- Amblyomma testudinarium*  
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121  
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals
- Amblyomma testudinarium*  
Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
seasonal prevalence  
*Sus riukiuanus*  
*Canis familiaris*  
*Pentalagus furnessi*  
*Scolopax rusticola mira*  
all from southern Amami-oshima Islands
- Amblyomma testudinis*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma tholloni* Neumann, 1899  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Potamochoerus: Africa
- Amblyomma tigrinum* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key  
*Cerdocyon thous*  
*Oryzomys fulvescens*  
*Hydrochaeris hydrochaeris*  
all from Venezuela
- Amblyomma torrei* Perez Vigueras, 1934, illus.  
Cerny, V., 1969, Torreia, n. s. (21), 3-8  
description, morphology of adults, key  
*Cyclura m. macleani*  
*Leiocephalus macropus*  
all from Cuba
- Amblyomma torrei*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma torrei* Vigueras  
Maldonado Capriles, J.; and Medina-Gaud, S., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 402-404  
*Cyclura stejnegeri*: Mona Island  
dogs: Mayaguez, Puerto Rico
- Amblyomma triste*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma tuberculatum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma tuberculatum* Marx, illus.  
Obenchain, F. D.; and Oliver, J. H., jr., 1976, J. Parasitol., v. 62 (5), 811-817  
*Amblyomma tuberculatum*, *Argas radiatus*, peripheral nervous system
- Amblyomma uncatum* Nuttall & Warburton, 1908  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma nodosum* Neumann, 1899
- Amblyomma variegatum*  
Al-Janabi, B. M., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (4), 284 [Demonstration]  
*Amblyomma variegatum*, *Hyalomma anatolicum excavatum*, transmission of *Nocardia farcinica* from rabbit to rabbit
- Amblyomma variegatum*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
*Argasidae* and *Ixodidae*, geographic distribution in Ethiopia  
ane  
cheval  
chevre  
dromadaire  
mouton  
zebu  
all from Ethiopia

- Amblyomma variegatum*  
Butler, M. C., 1975, State Vet. J., Min. Agric., Fish. and Food (90), v. 30, 279-283  
Dermatophilus congolense outbreak, transmitted by *Amblyomma variegatum* to cattle, sheep and goats: St. Lucia, West Indies
- Amblyomma variegatum* (Fabricius, 1794), illus.  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
key, larva described, measurements  
*Egretta alba melanorhyncha*  
*Phoeniculus purpureus*  
*Centropus senegalensis*  
*Cercopithecus aethiops sabaues*  
*Atelerix albiventris*  
*Felis serval*  
*Atilax* sp.  
*Genetta genetta senegalensis*  
*Canis aureus*  
*Euxerus erythropus*  
*Lepus aegyptius*  
chevres  
bovins  
*Laniarius barbarus*  
*Macronyx croceus*  
*Tockus erythrorhynchus*  
all from Senegal
- Amblyomma variegatum*  
Converse, J. D.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 411-412 [Letter]  
*Amblyomma variegatum*, isolation of Dugbe virus from ticks removed from cattle in abattoir: Cameroun
- Amblyomma variegatum*  
David-West, T. S., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 438 [Demonstration]  
*Amblyomma variegatum*, isolation of new tick-borne arbovirus (Dugbe virus): Nigeria
- Amblyomma variegatum*  
Dipeolu, O. O., 1975, Nigerian J. Animal Prod., v. 2 (2), 222-226  
pigs (flanks, perineal region): Ibadan and Eruwa, Western Nigeria
- Amblyomma variegatum*  
Dipeolu, O. O., 1976, Ztschr. Parasitenk., v. 49 (3), 293-295  
*Amblyomma variegatum*, cause of tick paralysis in sheep experimentally infected with ticks, first case reported, case history, possibility of natural cases appearing, need for diagnostic awareness: Nigeria
- Amblyomma variegatum*  
Dipeolu, O. O.; and Ogunji, F. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 25-31  
*Amblyomma variegatum*, *Hyalomma rufipes*, sheep (exper.), haematological changes, more pronounced in adult than in nymphal feeding, estimated weight of blood engorged by ticks
- Amblyomma variegatum* (Fabricius, 1794)  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus: Africa
- Amblyomma variegatum*  
Ilemobade, A. A.; and Leeftang, P., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (2), 149-155  
*Amblyomma variegatum*, brown goats, cross-bred Friesian-Zebu calves, sheep, conclusive proof of incrimination as vector of heart-water under controlled and natural conditions: Nigeria
- Amblyomma variegatum*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amblyomma variegatum*  
Leeftang, P.; and Ilemobade, A. A., 1977, Trop. Animal Health and Prod., v. 9 (4), 211-218  
confirmed as vector of *Cowdria ruminantium*: northern Nigeria
- Amblyomma variegatum*  
Macadam, I., 1977, Vet. Rec., v. 100 (19), 411 [Letter]  
*Amblyomma variegatum* on sheep with lesions caused by *Dermatophilus congolensis*, control by isolation of clean animals, vector control: Gambia, West Africa
- Amblyomma variegatum* (F.)  
MacLeod, J.; et al., 1977, Bull. Entom. Research, v. 67 (1), 161-173  
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia
- Amblyomma variegatum* (F.)  
MacLeod, J.; and Colbo, M. H., 1976, Bull. Entom. Research, v. 66 (1), 65-74  
role of cattle in maintaining immature stages of *Amblyomma variegatum* and *Rhipicephalus appendiculatus*, relationship of larva-nymph ratios to seasonal periodicity and body localization: Zambia
- Amblyomma variegatum* Arushcha  
Maldonado Capriles, J.; and Medina-Gaud, S., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 402-404  
cattle: Cidra, Bo. Rio Abajo, Puerto Rico
- Amblyomma variegatum*  
Medina-Gaud, S.; and Garcia Tuduri, J., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 409-412  
cattle: Cidra, Bo. Rio Abajo, Puerto Rico
- Amblyomma variegatum*  
Nayar, M. A.; and Isa, J. F. W., 1973, Bull. Epizoot. Dis. Africa, v. 21 (2), 153-157  
*Rhipicephalus evertsi* and *Amblyomma variegatum* larvae, acaricides
- Amblyomma variegatum*  
Ogunji, F. O.; and Dipeolu, O. O., 1977, Ztschr. Parasitenk., v. 51 (3), 285-288  
*Amblyomma variegatum*, *Hyalomma rufipes*, *Boophilus decoloratus*, larval feeding on scrotum of sheep better than on ears, economical for rearing large numbers of ticks; greatest number of larvae engorged when fed within 1-4 days of hatching

- Amblyomma variegatum* Fab.  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool.; London, v. 174 (3), 397-406  
*Equus burchelli*: Kenya
- Amblyomma variegatum*  
Purnell, R. E.; et al., 1975, J. Parasitol., v. 61 (4), 725-729  
comparison of development of *Theileria mutans* in adult *Amblyomma variegatum* with *T. parva* in *Rhipicephalus appendiculatus*
- Amblyomma variegatum*  
Rudolph, D.; and Knuelle, W., 1974, Nature (5452), v. 249, 84-85  
ixodid ticks, water vapor uptake from atmosphere, site (mouthparts) and mechanism (may be related to hygroscopic properties of salivary secretion)
- Amblyomma variegatum*, illus.  
Schreuder, B. E. C.; and Uilenberg, G., 1976, Tropenmed. u. Parasitol., v. 27 (4), 422-426  
technique for infecting ticks (*Amblyomma variegatum* and *Rhipicephalus appendiculatus*) with cattle *Theileriidae* by injecting bovine blood with high parasitemia through cuticle into fully engorged nymphs, after moulting ticks transmitted parasite to susceptible calf
- Amblyomma variegatum* Fabricius 1794  
Smith, M. W., 1973, Ann. Trop. Med. and Parasitol., v. 67 (4), 483-492  
*Rhipicephalus appendiculatus*, *Amblyomma variegatum*, immature stages, effect of immersion in water (in laboratory but under field conditions), implications for correlation of seasonal periodicity with rainfall
- Amblyomma variegatum*  
Uilenberg, G., 1975, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 28 (3), 405-408  
*Amblyomma variegatum*, strain resistant to sodium arsenite in Madagascar, where arsenic has been used as dip for 40 years; susceptible strain from Dar-es-Salaam, Tanzania
- Amblyomma variegatum* (Fabricius, 1794)  
Uilenberg, G.; Robson, J.; and Pedersen, V., 1974, Tropenmed. u. Parasitol., v. 25 (2), 207-216  
*Amblyomma variegatum*, successful transstadial transmission of *Theileria mutans*, doubtful transmission of *Theileria parva*; *Rhipicephalus appendiculatus*, successful transmission of *Theileria parva* but transmission of *Theileria mutans* needs confirmation
- Amblyomma variegatum*  
Uilenberg, G.; and Schreuder, B. E. C., 1976, Tropenmed. u. Parasitol., v. 27 (1), 106-111  
successful transstadial transmission of *Haematoxenus veliferus* by *Amblyomma variegatum* in exper. cattle; *Theileria mutans* and rickettsial organism transmitted at the same time
- Amblyomma variegatum*  
Uilenberg, G.; and Schreuder, B. E. C., 1977, Tropenmed. u. Parasitol., v. 28 (2), 181-184  
*Rhipicephalus evertsi*, successful transmission of *Theileria parva* from engorged nymphs to cross-bred steers (exper.) confirms the potential of *R. evertsi* as vector of East Coast fever; similar trials with *Amblyomma variegatum* were unsuccessful
- Amblyomma variegatum*  
Uilenberg, G.; Schreuder, B. E. C.; and Mpanjala, C., 1976, Tropenmed. u. Parasitol., v. 27 (3), 323-328  
*Theileria mutans*, successful experimental transmission to cattle by *Amblyomma variegatum*; attempted transmission using *Rhipicephalus appendiculatus* unsuccessful in 7 trials, suggests possibility that *T. mutans* in East Africa is different species from that of South Africa
- Amblyomma variegatum* (Fabricius)  
Wills, W.; and Larouze, B., 1976, Melsheimer Entom. Ser. (21), 1-4  
cow: Djikoronni, Mali  
goat (neck): Pakala, Senegal
- Amblyomma variegatum*  
Wood, W. F.; et al., 1975, J. Chem. Ecol., v. 1 (4), 501-509  
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay
- Amblyomma varium* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy, key
- Amblyomma vittatum* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma oblongoguttatum* Koch, 1844
- Amblyomma williamsi*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
key
- Amorphacarus Ewing*, 1938  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
key
- Amorphacarus hengererorum*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex cinereus*: Fires Creek area, Nantahala Mountains, North Carolina
- Amphalius runatus* J. et R.  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva



- Amphalius spirataenius* Liu, Wu & Wu, 1966, illus.  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*,  
v. 55 (4-6), 357-398  
description of male and female  
*Ochotona* sp.: Nepal
- Amphipsylla* sp., illus.  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*,  
v. 55 (4-6), 357-398  
*Alticola stoliczkanus*: Nepal
- Amphipsylla kuznetzovi*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, *Biol. Zhurnal Armenii*, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus nivalis*: Armenia
- Amphipsylla longispina* Scalon  
Letov, G. S.; and Letova, G. I., 1973, *Zool. Zhurnal*,  
v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Amphipsylla primaris* J. et R.  
Letov, G. S.; and Letova, G. I., 1973, *Zool. Zhurnal*,  
v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Amphipsylla primaris* ssp.  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*,  
v. 55 (4-6), 357-398  
*Alticola stoliczkanus*: Nepal
- Amphipsylla rossica*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, *Biol. Zhurnal Armenii*, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*M. nivalis*  
*Arvicola terrestris*  
all from Armenia
- Amphipsylla rossica* Wagn.  
Marapulets, L. A.; and Cherchenko, I. I., 1970,  
*Parazitologiya*, Leningrad, v. 4 (3), 271-273  
feeding activity on man of 6 spp. of fleas  
from the common vole, evaluation of probable  
importance in plague epidemiology
- Amphipsylla rossica* Wagn.  
Poliakov, V. K.; et al., 1976, *Zool. Zhurnal*,  
v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological,  
epidemiological and ecological characteris-  
tics of steppe, desert-steppe and desert  
regions of Transural plague focus  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian low-  
land
- Amphipsylla sibirica* (Wagner, 1898)  
Skuratowicz, W.; Bartkowska, K.; and Mitev,  
D., 1976, *Bull. Acad. Polon. Sci., Cl. II.*, s.  
Sc. Biol., v. 24 (12), 741-746  
*Pitymys subterraneus*: Lakatnik, 60 km north  
of Sofia, Bulgaria
- Amphipsylla sibirica hetera* J., illus.  
Brinck-Lindroth, G.; and Smit, F. G. A. M.,  
1973, *Entom. Scand.*, v. 4 (4), 302-322  
castration and intersexuality due to hyper-  
parasitism by nematodes: Czechoslovakia
- Amphipsylla sibirica sibirica* Wagn., illus.  
Brinck-Lindroth, G.; and Smit, F. G. A. M.,  
1973, *Entom. Scand.*, v. 4 (4), 302-322  
*Amphipsylla sibirica sibirica* from small  
mammals, castration and intersexuality due  
to hyperparasitism by nematodes, morpholog-  
ical changes  
*Microtus oeconomus*: Vittangi area, Sweden  
*Clethrionomys rutilus*: Vittangi area and  
Stora Sjöfallet National Park, Sweden  
*C. glareolus*: Stora Sjöfallet National Park,  
Sweden  
*C. rufocanus*: Stora Sjöfallet National Park,  
Sweden; Straumsnes, Norway  
*Sorex araneus*: Stora Sjöfallet National Park,  
Sweden; Straumsnes, Norway  
*S. caecutiens*: Stora Sjöfallet National Park,  
Sweden  
*S. minutus*: Stora Sjöfallet National Park,  
Sweden  
*Microtus agrestis*: Stora Sjöfallet National  
Park, Sweden; Straumsnes, Norway  
*Mustela nivalis*: Straumsnes, Norway
- Amphipsylla vinogradovi* Ioff  
Letov, G. S.; and Letova, G. I., 1973, *Zool. Zhurnal*,  
v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Amphipsyllidae* Dampf  
Sanford, L. G.; and Hays, K. L., 1974, *Bull.*  
(458) *Alabama Agric. Exper. Station*, 3-42  
brief description
- Amyrsidea* Ewing, 1927 sensu lato  
Scharf, W. C.; and Price, R. D., 1977, *Ann.*  
*Entom. Soc. Am.*, v. 70 (5), 815-822  
key to subgenera, includes: *Amyrsidea*;  
*Cracimenopon*; *Desumenopon*; *Numidimenopon* n.  
subgen.; *Argimenopon*
- Amyrsidea* Ewing  
Scharf, W. C.; and Price, R. D., 1977, *Ann.*  
*Entom. Soc. Am.*, v. 70 (5), 815-822  
subgen. of *Amyrsidea*  
key, description, key to species
- Amyrsidea* Ewing, 1927  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H.  
W., 1974, *Parasitol. Schriftenr.*, v. 22, 1-160  
lice of domestic animals, keys to species  
and subspecies, descriptions, illustrations,  
hosts, economic and epidemiological impor-  
tance, extensive compilation: Central Europe  
includes: *A. minuta* Emerson, 1961; *A. phae-*  
*ostoma* (Nitzsch, 1866)
- Amyrsidea* (*Numidimenopon*) *desousai* (Keler) (tod  
of subgen.), illus.  
Scharf, W. C.; and Price, R. D., 1977, *Ann.*  
*Entom. Soc. Am.*, v. 70 (5), 815-822  
synonymy, key, description  
*Numida meleagris*: Zululand  
*N. sp.*: Africa; British East Africa  
*N. ptilorhyncha*: British East Africa

- Amyrsidea* (A.) *elbeli* Emerson & Stojanovich, 1963, illus.  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
key, description  
*Arborophila brunneopectus erythrophrys*: Borneo  
*A. torqueola torqueola*: Assam  
*A. rufogularis*: Nepal; Cambodia; Thailand  
*Ithaginis cruentus*: Nepal
- Amyrsidea fulvomaculata*  
Rak, H.; Anwar, M.; and Niak, A., 1975, Bull. Soc. Path. Exot., v. 68 (6), 588-591  
*Coturnix coturnix*: Iran
- Amyrsidea hexapilosus*  
Rak, H.; Anwar, M.; and Niak, A., 1975, Bull. Soc. Path. Exot., v. 68 (6), 588-591  
*Phasianus colchicus*: Iran
- Amyrsidea* (Numidimenopon) *lopesi* (Tendeiro), illus.  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
synonymy, key, description  
*Guttera edouardi sethsmithi*: Kenya  
*G. pucherani*: Kenya
- Amyrsidea* (A.) *oculeae* Price & Elbel, 1969, illus.  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
key, description  
*Caloperdix oculea oculea*: Thailand
- Amyrsidea* (Numidimenopon) *plumiferae* n. sp., illus.  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
key  
*Guttera plumifera plumifera*: Arnhem, French Cameroons  
*Phasidus niger*: French Cameroons
- Amyrsidea* (A.) *ventralis* (Nitzsch), illus.  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
key, description  
Syn.: *Menopon ventrale* Nitzsch, 1866  
*Argusianus argus*: Malaya; England  
*Rheinardia ocellata*: Annam
- Amyrsidea* (Numidimenopon) *vulturini* n. sp., illus.  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
key  
*Acryllium vulturinum*: Marsabit, Kenya
- Anaclavella sillaginoides* Heegaard, 1940, illus.  
Kabata, Z., 1968, J. Nat. Hist., v. 2 (4), 505-523  
description of female  
*Epinephelus merra*  
*Sillaginodes punctatus*  
(gills of all): all from off Heron Island, Queensland
- Anahuacia* Hoffmann 1963  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Anahuacia* [sp.]  
Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
*Peromyscus boylii*: NE of Santa Lucia, Sinaloa, Mexico
- Analges* sp.  
Brown, N. S.; and Wilson, G. I., 1975, Am. Midland Naturalist, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Boston, Mass.; Stockton-on-Tees, England
- Analges* sp.  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos medius*: Chernovtzy oblast, Ukrainian SSR
- Analges mucronatus* (Buchholz, 1869)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR
- Analges picicola* Cerny et Schumilo, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Picus canus*: Moldavian SSR
- Analgoidea*  
Peterson, P. C., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 237-242  
feather mites of birds, host-parasite distribution by taxa, feather anatomy, mathematical analysis of barb width and location in relation to mite distribution, basis for further studies of host-parasite evolution
- Anastrebla* new species  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Anoura caudifera*: Minas Gerais, Brazil
- Anastrebla modestini*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Anoura geoffroyi*: Minas Gerais, Brazil
- Anaticola* Clay, 1936  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *A. anseris anseris* (Linnaeus, 1758); *A. crassicornis crassicornis* (Scopoli, 1763); *A. crassicornis cairinensis* (Castro, 1933)
- Anaticola anatis* (Schränk, 1781)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *A. crassicornis* (Scopoli, 1763)
- Anaticola anseris* (Linne, 1758)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy

- Anaticola anseris* (Linnaeus, 1758)  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Anser albifrons*: Eastern Island, Midway Atoll, Pacific Ocean
- Anaticola bishoppi* (Mc. Gregor, 1917)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Anaticola anseris* (Linne, 1758)
- Anaticola crassicornis* (Scopoli, 1763), illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
*Anas platyrhynchos*  
*Melanitta nigra*  
all from Spain
- Anaticola crassicornis*  
Rak, H.; Anwar, M.; and Niak, A., 1975, Bull. Soc. Path. Exot., v. 68 (6), 588-591  
*Anas clypeata*: Iran
- Anaticola crassicornis* (Scopoli)  
Turner, B. C.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 157-169  
parasites of *Anas crecca* and *A. discors*, incidence and intensity, age and sex of host  
*Anas crecca*  
*A. discors*  
all from eastern Canada
- Anaticola domestici* (Wundrig, 1936)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Anaticola anseris* (Linne, 1758)
- Anaticola squalidus* (Nitzsch, 1818)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *A. crassicornis* (Scopoli, 1763)
- Anatoecus* Cummings, 1916  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *A. (A.) adustus* (Nitzsch in Giebel, 1874); *A. (A.) icterodes*; *A. (Benatoecus) dentatus*
- Anatoecus cygni* (Denny, 1842)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, Syn.: *Docophorus cygni* Denny, 1842
- Anatoecus dentatus* (Scopoli)  
Turner, B. C.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 157-169  
parasites of *Anas crecca* and *A. discors*, incidence and intensity, age and sex of host  
*Anas crecca*  
*A. discors*  
all from eastern Canada
- Anatoecus fuligulae* (Denny, 1852)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Anatoecus icterodes* (Nitzsch, 1818)
- Anatoecus icterodes* (Nitzsch, 1818), illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
*Anas platyrhynchos*: Spain
- Anatoecus mergi* (Guerin, 1818)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Anatoecus icterodes* (Nitzsch, 1818)
- Ancistrodes Keler*, 1939  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69  
Gonioididae  
key, phylogenetic position
- Ancistropsyllidae* Toumanoff & Fuller, 1947  
Lewis, R. E., 1974, J. Med. Entom., v. 11 (5), 525-540  
*Ancistropsyllidae*, *Chimaeropsyllidae*, *Ischnopsyllidae*, *Leptopsyllidae*, and *Macropsyllidae*, geographic distribution and host preferences, list of genera and species
- Andreacarus petersi*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Cricetomys gambianus*: Ibadan Area, Western Nigeria
- Andreacarus zumpti*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Cricetomys gambianus*: Ibadan Area, Western Nigeria
- Androlaelaps* sp.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
\**Lagurus lagurus* (nest): Karagandinsk oblast
- Androlaelaps* sp. 1  
Sandhu, P. S.; and Kapoor, V. C., 1976, Entom. News, v. 87 (9-10), 292-294  
*Funambulus pennanti*: Village Barewal (Ludhiana District), India
- Androlaelaps* sp. 2  
Sandhu, P. S.; and Kapoor, V. C., 1976, Entom. News, v. 87 (9-10), 292-294  
*Funambulus pennanti*: Ludhiana, India
- Androlaelaps arvicanthi*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Myomys daltoni*  
*Mastomys* sp.  
*Lemniscomys striatus*  
*Uranomys foxi*  
*Tatera kempii*  
all from Ibadan Area, Western Nigeria
- Androlaelaps casalis*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana



- Androlaelaps casalis* (Berlese, 1887)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Atricholaelaps megaventralis* Strandtmann, 1947
- Androlaelaps casalis* (Berlese)  
Wilson, N.; and Bull, E. L., 1977, Bird-Banding, v. 48 (2), 171-173  
+squirrel (nest): Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Androlaelaps fahrenheitzi* (Berlese)  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
Syn.: *Haemolaelaps glasgowi* [of] Amin, 1973  
*Tamias striatus ohionensis*  
*Microtus p. pennsylvanicus*  
*M. o. ochrogaster*  
*Didelphis virginiana*  
*Peromyscus leucopus noveboracensis*  
all from Kenosha County, Wisconsin
- Androlaelaps fahrenheitzi*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
*Cryptotis parva parva*  
all from Coles County, Illinois
- Androlaelaps fahrenheitzi*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
all from Warren County, Kentucky
- Androlaelaps fahrenheitzi* (Berlese)  
Miller, B. E.; et al., 1975, J. Med. Entom., v. 12 (4), 425-430  
*Polygenis gwyni*, infected *Sigmodon hispidus* berlandieri, bait with oral systemic insecticide, phoxim, field conditions, effective control; some unmeasured control of natural mite infections; advantages for control of fleas in active plague foci
- Androlaelaps fahrenheitzi* (Berlese)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus norvegicus caraco*: Korea
- Androlaelaps fahrenheitzi*  
Spicka, E. J., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 418-422  
*Mus musculus*: Pike County, Indiana
- Androlaelaps fahrenheitzi*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex fumeus*  
*Peromyscus leucopus*  
*P. maniculatus*  
*Ochrotomys nuttalli*  
*Clethrionomys gapperi*  
*Napaeozapus insignis*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Androlaelaps fahrenheitzi* (Berlese)  
Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, Proc. Indiana Acad. Sc., v. 83, 1973, 478-481  
*Scalopus aquaticus* (fur): Indiana
- Androlaelaps fahrenheitzi*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana
- Androlaelaps fahrenheitzi* (Berlese, 1911)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Androlaelaps galagus*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Cricetomys gambianus*: Ibadan Area, Western Nigeria
- Androlaelaps geomys* (Strandtmann, 1949)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Atricholaelaps sigmodoni* Randolph & Eads, 1946 (in part) (not Strandtmann, 1946)
- Androlaelaps himemizu* sp. n., illus.  
Uchikawa, K.; and Asanuma, K., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 65-77  
*Dymecodon pilirostris*: Happono, Hakuba Village, Nagano Prefecture, Japan; northern slope of Mt. Fuji, Yamanashi Prefecture, Japan
- Androlaelaps himizu* (Jameson, 1966) [? n. comb.], illus.  
Uchikawa, K.; and Asanuma, K., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 65-77  
description  
*Urotrichus talpoides*: Hakuba Village, Nagano Prefecture, Japan; Asagiri Heights, Shizuoka Prefecture, Japan  
*Crociodura dsinezumi*: Hakuba Village, Nagano Prefecture, Japan  
*Rattus norvegicus*: Nagoya City, Japan; Hakuba Village, Nagano Prefecture, Japan  
*Eothenomys smithi*: Hakuba Village, Nagano Prefecture, Japan
- Androlaelaps marshalli*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Myomys daltoni*  
*Lemniscomys striatus*  
*Lophuromys sikapusi*  
*Tatera kempii*  
all from Ibadan Area, Western Nigeria
- Androlaelaps micropteropi*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Micropteropus pusillus*: Ibadan Area, Western Nigeria

- Androlaelaps murinus*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
Myomys daltoni  
Mastomys sp.  
Rattus rattus frugivorus  
Lemniscomys striatus  
Arvicanthis niloticus  
Dasymys incomtus  
Lophuromys sikapusi  
Uranomys foxi  
Tatera kempii  
Heliosciurus gambianus  
Crociodura manni  
all from Ibadan Area, Western Nigeria
- Androlaelaps pavlovskii*  
Volkova, G. N., 1975, Ekologiya, Sverdlovsk (5), 100-102  
Androlaelaps pavlovskii, feeding, reproduction, and development under laboratory conditions
- Androlaelaps tateronis*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
Myomys daltoni  
Lemniscomys striatus  
Lophuromys sikapusi  
Tatera kempii  
all from Ibadan Area, Western Nigeria
- Androlaelaps zulu*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
Myomys daltoni  
Pryomys tullbergi  
Mastomys sp.  
Hylomyscus sp.  
Rattus rattus  
Rattus rattus frugivorus  
Lemniscomys striatus  
Arvicanthis niloticus  
Dasymys incomtus  
Lophuromys sikapusi  
Uranomys foxi  
Mus (Leggada) musculoides  
Tatera kempii  
Cricetomys gambianus  
Crociodura occidentalis nigeriae  
Crociodura manni  
all from Ibadan Area, Western Nigeria
- Androlaelaps zuluensis*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
Rattus rattus  
Tatera kempii  
all from Ibadan Area, Western Nigeria
- Androlaelaps zuluensis* (Zumpt)  
Sandhu, P. S.; and Kapoor, V. C., 1976, Entom. News, v. 87 (9-10), 292-294  
Funambulus pennanti: Ludhiana, India
- Anepigynia* sp.  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
Merops apiaster: Moldavian SSR
- Aniatus* Brennan and Jones 1961  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Anilocra alloceraea* Koelbel, 1878  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Anilocra leptosoma* Bleeker, 1857
- Anilocra asilus* Walker et Hornell, 1896  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra frontalis* Edwards, 1840
- Anilocra bivittata*: Risso, 1826  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Nerocila bivittata* (Risso, 1816)
- Anilocra capensis* Leach, 1818, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
synonymy  
Serranus canenier: Soudan  
[no host]: ile de la Reunion; baie du Levrier (Port-Etienne); Fedhala (Maroc); cap Blanc, Mauritanie, Afrique occidentale
- Anilocra cavicauda* Richardson, 1910  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Anilocra longicauda* Schioedte et Meinert, 1881
- Anilocra cuvieri* Leach, 1818  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra physodes* (L., 1758)
- Anilocra dimidiata* Bleeker, 1857, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
[no host]: Batavia; Nouvelle-Guinee
- Anilocra edwardsii* St Loup, 1885  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra physodes* (L., 1758)
- Anilocra frontalis* Edwards, 1840, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
[no host]: France; Porto Ingles, ile Maio; Nice; Ivica; Villefranche; Maroc; Monaco poisson: Tanger  
Motella (pectoralis): Baie du mont St-Michel  
Crenilabrus quinqueaculatus (dos): Castiglione, Algerie  
Labrus viridis (tete): Castiglione (Alger)  
Mugil auratus: Castiglione (Algerie)  
Melops: cote sud de Bretagne
- Anilocra frontalis* Edwards, 1840, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
synonymy, geographical distribution, systematic and ecologic remarks, size, review

- Anilocra frontalis*: Monod, 1923  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra physodes* (L., 1758)
- Anilocra gigantea* (Herklots, 1870), illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
Syn.: *Epichthys giganteus* Herklots, 1870  
[no host]: Nouvelle-Caledonie
- (?) *Anilocra laevis* Miers, 1877  
Trilles, J. P.; and Vala, J. C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
as syn. of *Anilocra laticauda* Edwards, 1840
- Anilocra laticauda* Edwards, 1840, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
synonymy  
poisson: ile St-Vincent  
[no host]: ile St-Thomas; La Martinique; Cuba; Jamaïque
- Anilocra laticauda* Edwards, 1840, illus.  
Trilles, J. P.; and Vala, J. C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
synonymy  
*Cephalopholis fulva* (tete): Guadeloupe
- Anilocra laticauda*: Causey, 1956  
Trilles, J. P.; and Vala, J. C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
not a syn. of *Anilocra laticauda* Edwards, 1840
- Anilocra leachii*: Schioedte, 1866  
Trilles, J. P.; and Vala, J. C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
as syn. of *Anilocra laticauda* Edwards, 1840
- Anilocra leptosoma* Bleeker, 1857, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
Syn.: *Anilocra alloceraea* Koelbel, 1878  
Clupeid[ae]: en face Port-Dayot
- Anilocra longicauda* Schioedte et Meinert, 1881, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
Syn.: *Anilocra cavicauda* Richardson, 1910  
poissons: Poulo Condor (Cochinchine)  
[no host]: Cochinchine; Mouillage de Cauda
- Anilocra mediterranea* Leach, 1818  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra physodes* (L., 1758)
- Anilocra mediterranea*: Norman, 1868 [et auct.]  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra frontalis* Edwards, 1840
- Anilocra mexicana* de Saussure, 1857  
Trilles, J. P.; and Vala, J. C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
as syn. of *Anilocra laticauda* Edwards, 1840
- Anilocra physodes*  
Romestand, B.; Janicot, M.; and Trilles, J. P., 1977, Ann. Parasitol., v. 52 (2), 171-180  
tissue alterations and defense reactions in fish parasitized by Cymothoidae  
Boops boops  
Maena maena  
Pagellus erythrinus  
(tegument of all): all from Herault, France
- Anilocra physodes* (L., 1758), illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
[no host]: France; Nice; Mediterranee; Algerie, golfe de Philippeville; Alger; Cotes de Tunisie; Baie d'Algeras; Monaco; Port-Said; Lagune de Moulay bou Selham; Maroc; Pecherie d'Alger; Agay (Var); golfe d'Alexandrette, Mission Gruvel, Syrie  
poisson: Rade de Sfax; Melita  
*Diplodus (sargus) fasciatus*: Castiglione (Algerie)  
Zeus faber: entre Casablanca et Mazagam  
*Spondyliosoma cantharus*: Castiglione; rade Agay  
*Scorpaena porcus*: Castiglione (Algerie)
- Anilocra physodes* (L., 1758), illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
synonymy, geographical distribution, systematic and ecologic remarks, size, review
- Anilocra physodes*: Norman, 1907 [et auct.]  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra frontalis* Edwards, 1840
- Anilocra trichiura* Miers, 1877  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila trichiura* (Miers, 1877)
- Anilocra vittata* Lucas, 1849  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Nerocila maculata* Edwards, 1840
- Anocentor nitens* (Neumann, 1897)  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Syn.: *Otocentor nitens* Cooley, 1938  
*Cerdocyon thous*  
horses  
all from Venezuela



- Anocentor nitens*  
Prieto, R.; and Delgado, A., 1975, Rev. Cubana Cien. Vet., v. 5 [on cover], v. 6 [on title page] (1-2), 57-62  
cattle, incidence and geographic distribution: Cuba
- Anocentor nitens* (Neumann)  
Rawlins, S. C.; and Mansingh, A., 1977, J. Econom. Entom., v. 70 (6), 697-698  
Boophilus microplus, Amblyomma cajennense, and *Anocentor nitens*, susceptibility of Jamaican strains to various acaricides
- Anocentor nitens*  
Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
*Equus caballus*  
*Bos taurus*  
both from British Honduras
- Anocentor nitens*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Equus caballus* (ears): Minas Gerais, Brazil
- Anoetidae [sp.]  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex fumeus*  
*Blarina brevicauda*  
*Peromyscus maniculatus*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Anomalaspis Brennan* 1952  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Anomiopsylla amphibolus*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
*Microtus longicaudus latus*  
*Neotoma lepida lepida*  
all from western Utah
- Anomiopsyllus falsicalifornicus*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Didelphis marsupialis*  
*Peromyscus californicus*  
*P. maniculatus*  
*Neotoma fuscipes*  
all from Fort Ord, California
- Anomiopsyllus novomexicanensis* Williams & Hoff  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
+*Neotoma albigula*? (nest of uncertain origin): west of Rio Grande in and near Jemez Mts., New Mexico
- Anomiopsyllus nudatus*-A. princei complex  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Eutamias minimus*  
*E. quadrivittatus*  
*Sciurus aberti*  
*Peromyscus maniculatus*  
*P. truei*  
*Neotoma albigula*  
+*N. cinerea*  
*Microtus longicaudus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Anomiopsyllus princei*-A. nudatus complex  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Eutamias minimus*  
*E. quadrivittatus*  
*Sciurus aberti*  
*Peromyscus maniculatus*  
*P. truei*  
*Neotoma albigula*  
+*N. cinerea*  
*Microtus longicaudus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Anoplura  
Edler, A.; and Nilsson, A., 1973, Entom. Scand., v. 4 (4), 274-282  
ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden
- Anoplura  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key to genera of rodent-infesting Anoplura of Venezuela  
includes: *Enderleinellus*; *Fahrenholzia*; *Hoplopleura*; *Neohaematopinus*; *Polyplax*
- Anoplura  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftent., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe
- Anoplura sp.  
Harinasuta, C.; Guptavani, P.; and Vasuvat, C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 105-127  
*Rattus* spp.  
*R. rattus*  
all from mangrove areas of Thailand

- Anoplura* [sp.]  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
*Gazella thomsonii* (axilla): Kenya
- Anorthalloptes* n. gen.  
Atyeo, W. T.; and Gaud, J., 1976, J. Kansas Entom. Soc., v. 49 (4), 489-491  
Proctophyllodidae, Proctophyllodinae  
tod: *A. megamerus* Trouessart n. comb.
- Anorthalloptes megamerus* Trouessart n. comb. (tod)  
Atyeo, W. T.; and Gaud, J., 1976, J. Kansas Entom. Soc., v. 49 (4), 489-491  
description  
Syns.: Proctophyllodes (*Alloptes*) *megamerus* Trouessart, 1887; *Alloptes megamerus*, Canestrini and Kramer, 1899  
*Psittrichas fulgidus*: New Guinea  
*Alisterus c. chloropterus*: Papua New Guinea (Gulf of Papua; near Okaba)
- Anseriphilus* Eichler, 1949  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *A. pectiniventris pectiniventris* (Harrison, 1916)
- Antarctophthirus callorhini*  
Kurtz, D. A.; and Kim, K. C., 1976, Pesticides Monit. J., v. 10 (3), 79-83  
*Antarctophthirus callorhini*, *Proechinophthirus fluctus*, sucking lice of northern fur seals, residues of DDT, dieldrin and PCB in lice and seals: Pribilof Islands, Alaska
- Antricola* sp., probably *silvai*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Leptoncyteris curasoae*  
*Pteronotus davyi*  
all from Venezuela
- Antricola* (*Antricola*) *silvai* Cerny, 1967  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Pteronotus davyi*  
*Mormoops megalophylla*  
*Pteronotus psilotis*  
all from Venezuela
- Aotiella* Eichler, 1949  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77
- Aotiella aotophilus* (Ewing), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key, syn.: *Gyropus aotophilus* Ewing, 1924  
*Aotus trivirgatus*: Venezuela
- Apaulina* sp.  
Pinkowski, B. C., 1977, J. Wildlife Management, v. 41 (2), 272-276  
*Apaulina* sp., prevalence in natural and artificial nesting sites, seasonal variation  
+*Sialia sialis* (nest): Michigan
- Aplodontopinae* Fain 1969  
Fain, A.; and Spicka, E. J., 1977, J. Parasitol., v. 63 (1), 137-140  
as syn. of Chortoglyphidae Berlese 1897
- Aplodontopus* Fain 1967  
Fain, A.; and Spicka, E. J., 1977, J. Parasitol., v. 63 (1), 137-140  
reclassification, transferred to family Chortoglyphidae
- Aplodontopus micronyx* sp. n., illus.  
Fain, A.; and Spicka, E. J., 1977, J. Parasitol., v. 63 (1), 137-140  
*Spermophilus tridecemlineatus* (tail-hair follicles): Vigo County, Indiana
- Aplodontopus sciuricola* Hyland & Fain 1968, illus.  
Fain, A.; and Spicka, E. J., 1977, J. Parasitol., v. 63 (1), 137-140  
corrigenda for original figures
- Apolonia* Torres and Braga 1938  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Apoloniinae* Wharton 1947  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
Trombiculidae  
key; key to genera
- Aponomma* sp.  
Nagar, S. K.; Raizada, R. N.; and Saxena, V. K., 1977, Indian J. Animal Sc., v. 47 (10), 654-663  
snake: Territory of Delhi
- Aponomma auruginans*  
Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572  
evidence of parasitism of female ticks by males of the genus *Ixodes*, possible implications for transmission of disease agents
- Aponomma concolor*  
Treverrow, N. L.; Stone, B. F.; and Cowie, M., 1977, Experientia, v. 33 (5), 680-682  
*Ixodes holocyclus*, *Aponomma concolor*, aggregation pheromones demonstrated
- Aponomma exornatum*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia
- Aponomma exornatum*  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus: Africa
- Aponomma gervaisi*  
Nagar, S. K.; Raizada, R. N.; and Saxena, V. K., 1977, Indian J. Animal Sc., v. 47 (10), 654-663  
monitor lizard  
snake  
all from Union Territory of Delhi

- Aponomma hydrosauri* (Denny)  
Bull, M.; and Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 103-110  
*Aponomma hydrosauri*, *Amblyomma albolimbatus*, *A. limbatus*, abutting allopatric distributions, water balance of nymphs and adults in relation to distribution: South Australia
- Aponomma hydrosauri* (Denny)  
Smyth, M., 1973, Austral. J. Zool., v. 21 (1), 91-101  
*Aponomma hydrosauri*, *Amblyomma albolimbatus*, *A. limbatus*, survey, distributions overlap remarkably little over long boundaries, roughly correlated with climate, vegetation, and, in one case, soil  
*Egernia whitei*: South Australia  
*Leiopisma metallicum*  
*Tiliqua occipitalis*: South Australia  
*Acanthophis antarcticus*: South Australia
- Aponomma ophiophilum* (Muller 1831) "for which some workers believe *Aponomma gervaisi* (Lucas 1847) to be the proper taxon"  
Nagar, S. K.; and Raizada, R. N., 1977, J. Parasitol., v. 63 (5), 860  
*Aponomma ophiophilum* larvae found on *Calliphora erythrocephala*, possible phoretic association for distribution of parasite: Delhi, India
- Aponomma quadricavum* Schulze, 1941  
Cerny, V., 1969, Torreia, n. s. (21), 3-8  
*Epicrates a. angulifer*: Cuba
- Aponomma sphenodonti* Dumbleton  
Heath, A. C. G., 1977, Tuatara, v. 23 (1), 26-39  
zoogeography of the New Zealand tick fauna, possible origins, collection and preservation
- Archaeopodella* gen. n.  
Athias-Henriot, C., 1977, J. Austral. Entom. Soc., v. 16 (3), 225-235  
Liroaspidae  
tod: *A. scopulifera* sp. n.
- Archaeopodella scopulifera* sp. n. (tod), illus.  
Athias-Henriot, C., 1977, J. Austral. Entom. Soc., v. 16 (3), 225-235  
*Rattus fuscipes*: Olsen's Bridge, Victoria; White's River, Mount Kosciusko, New South Wales
- Archaeopsylla erinacei* (Bouche 1835)  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Mustela putorius*  
*Vulpes vulpes*  
all from Schleswig-Holstein
- Archaeopsylla erinacei*  
Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 21-27  
Alugan, Vinx  
Igel
- Archaeopsylla erinacei erinacei*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, Ann. Parasitol., v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Vulpes vulpes*  
*Felis silvestris*  
*Meles meles*  
*Martes foina*  
all from Nord-Est de la France
- Archaeopsylla erinacei erinacei* (Bouche, 1835)  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-257  
*Vulpes vulpes*: Norge
- Archaeopsylla erinacei erinacei*  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 265-274  
*Meles meles*: Norge
- Archaeopsylla e. erinacei*  
Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain
- Archemyobia* Jameson, 1955 (type genus of subfam.)  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Archemyobiinae*
- Archemyobia* (*Archemyobia*) *brasiliensis* ssp. *dimidiata* ssp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Monodelphis dimidiata*: San Lorenzo, Rio Gde do Sul, Bresil
- Archemyobia* (*Dromicimyobia*) *dromiciops* sp. n. (tod of subg.)  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Dromiciops australis*: Valdivia, Chili
- Archemyobia necopina* Domrow  
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Archemyobiinae* subfam. nov.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Myobiidae*  
type genus: *Archemyobia* Jameson, 1955
- Archinycteribia octophthalma* Theodor, 1967  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Penthetor lucasi*: Gunong Benom and Janda Baik, Pahang; Singapore, Bukit Lagong
- Ardeicola*  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
key to species on Threskiornis



- Ardeicola ababae* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Bostrychia carunculata*: Ethiopia  
[previously published as n. sp. by Hajela and Tandan, 1970]
- Ardeicola ajajae* Carriker, 1961  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Ajaja ajaja*: Florida, U. S. A.; Rupununi, British Guiana (now Guyana); San Joaquin, Bolivia
- Ardeicola asiaticus* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Xenorhynchus a. asiaticus*: Rajputana, India  
[previously published as n. sp. by Kumar and Tandan, 1971]
- Ardeicola bicolor* (Piaget, 1888)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Sphenorhynchus abdimi*: Cameroons (zoo); N. Rhodesia (now Zambia); Kenya; Sudan; Ethiopia
- Ardeicola burmanus* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Pseudibis davisoni*: Burma  
[previously published as n. sp. by Hajela and Tandan, 1970]
- Ardeicola buttikeri* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Melanophoxys ardesiaca*: Botswana  
[previously published as n. sp. by Kumar and Tandan, 1968]
- Ardeicola castaneus* (Piaget, 1885)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
brief description  
*Ciconia leucocephala* (=Dissoura episcopus neglecta)  
*Dissoura episcopus*: Burma
- Ardeicola ciconiae* (Linn., 1758)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
variation in setae  
*Ciconia c. ciconia*: Kenya; Sudan
- Ardeicola clayae* Brelih  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key, distinguishing female characters
- Ardeicola clayae* Brelih, 1965, illus.  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
key, description  
*Threskiornis aethiopicus aethiopicus*: Kenya; Naivasha; Transvaal; Benoui
- Ardeicola dennelli* Hajela & Tandan, 1967  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Pseudibis papillosa*
- Ardeicola dissourae* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Dissoura episcopus microscelis*: Sudan  
[previously published as n. sp. by Kumar and Tandan, 1971]
- Ardeicola emersoni* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Cercibis oxycerca*: Guyana, near Lethem, Rupunini  
[previously published as n. sp. by Hajela and Tandan, 1968]
- Ardeicola epiphanes* (Kellogg & Paine, 1911)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Theristicus branickii*: Peru; Ecuador
- Ardeicola fissomaculatus* (Giebel, 1874)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Leptoptilos crumeniferus*: Bombo, Buganda, Uganda; Somaliland; Kenya
- Ardeicola freemani* sp. n., illus.  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
key  
*Threskiornis aethiopicus abbotti*: Aldabra Is.; Cinq Cases and Takamaka, South Island; Aldabra Atoll; East Channel
- Ardeicola geronticorum* Brinck, 1955  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Geronticus eremita*: Morocco
- Ardeicola hardayali* Tandan & Kumar, 1969  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Leptoptilos javanicus*: India
- Ardeicola harrisoni* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Platibis flavipes*: Australia  
[previously published as n. sp. by Hajela and Tandan, 1970]
- Ardeicola hopkinsi* Kumar & Tandan, 1968  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Euxenura galeata*: Argentine
- Ardeicola ibis* (Le Souef & Bullen)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key, distinguishing female characters

- Ardeicola ibis* (Le Souef & Bullen), illus.  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
key, description  
synonymy  
*Threskiornis molucca strictipennis*: Australia: Lake Cowal, New South Wales  
*T. m. pygmaeus*: Rennell Is., Solomon Iss.  
*T. m. molucca*: Malaya (now Malaysia)  
*T. molucca*: New Guinea: Wando District, Papua
- Ardeicola indicus* Brelih  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
key, distinguishing female characters
- Ardeicola indicus* Brelih  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
key
- Ardeicola intermedia* sp. n., illus.  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
key  
*Threskiornis aethiopicus bernieri*: Madagascar (now Malagasy Republic): Soalala, Bekopaka, and Ampotaka
- Ardeicola keleri* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Ibis ibis*: Limuru, Kenya  
[previously published as n. sp. by Kumar and Tandan, 1971]
- Ardeicola lepidus* (Nitzsch, 1866)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Anastomus oscitans*: Moirang, Manipur and Unao, U. P., India
- Ardeicola leucosoma* Kumar & Tandan, 1968  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
brief description  
*Mycteria americana*: Rupununi Good Hope, British Guiana (now Guyana)
- Ardeicola loculator* (Giebel, 1874)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Mycteria americana*: Tlacotalpan, Mexico; Florida and Arizona, U. S. A.
- Ardeicola maculatus* (Nitzsch, 1866)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Ciconia nigra*: Caucasus, Russia
- Ardeicola melanopsis* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Theristicus melanopsis*: Chile  
[previously published as n. sp. by Hajela and Tandan, 1970]
- Ardeicola nippon* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
key, distinguishing female characters  
[previously published as n. sp. by Hajela and Tandan, 1968]
- Ardeicola nippon* Hajela & Tandan  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
key
- Ardeicola senegalensis* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Ephippiorhynchus senegalensis*: Lugangwa Valley, Npika, Zambia  
[previously published as n. sp. by Kumar and Tandan, 1971]
- Ardeicola smithersi* Buttiker, 1967  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Platalea alba*: Bechuanaland (now Botswana)
- Ardeicola tantali* (J. C. Fabricius, 1798)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Ibis leucocephalus*: Rajputana and Lucknow, India
- Ardeicola theristicus* (Pessoa & Guimaraes, 1935)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
*Theristicus caudatus*: Paraguay
- Argas (Persicargas) arboreus* Kaiser, Hoogstraal & Kohls  
Hamdy, B. H., 1973, J. Med. Entom., v. 10 (1), 53-57  
*Argas arboreus*, excretory cycle, seasonal effects (excretory rhythm of 3rd instar nymphs, adult males, and adult females did not differ significantly, but quantities excreted in each season differed distinctly), guanine and hematin as major excretory products
- Argas (Persicargas) arboreus*  
Kemp, G. E.; Lee, V. H.; and Moore, D. L., 1975, J. Med. Entom., v. 12 (5), 535-537  
*Argas arboreus*, isolation of Nyamanini and Quarantil viruses from specimens collected from trees frequented by *Bubulcus ibis*: North Eastern State, Nigeria
- Argas (Persicargas) arboreus*  
Khalil, G. M., 1976, Exper. Parasitol., v. 40 (2), 232-237  
*Argas arboreus*, field-collected females, influence of short and long photoperiod before and/or after feeding on diapause induction and termination respectively
- Argas (Persicargas) arboreus* Kaiser, Hoogstraal & Kohls  
Khalil, G. M.; and Shanbaky, N. M., 1975, J. Med. Entom., v. 12 (1), 47-51  
*Argas arboreus*, egg development and oviposition, effect of mating with homologous males or with *A. persicus* and of other mechanical stimulation, effect of inoculating male accessory gland material and/or testis extracts into female hemocoel

- Argas (Persicargas) arboreus* Kaiser, Hoogstraal and Kohls  
Khalil, G. M.; and Shanbaky, N. M., 1976, *Exper. Parasitol.*, v. 39 (3), 431-437  
*Argas arboreus*, field-collected vs. laboratory-reared F<sub>1</sub> and F<sub>2</sub> females, diapause incidence (% diapause females) and intensity (duration of preoviposition period), effect of constant 26, 30, 34, or 37 C temperatures, results suggest that laboratory rearing caused increased sensitivity of diapause females to high temperature
- Argas (Persicargas) arboreus* Kaiser, Hoogstraal, and Kohls, illus.  
Roshdy, M. A.; and Coons, L. B., 1975, *J. Parasitol.*, v. 61 (4), 743-752  
*Argas arboreus*, salivary glands of unfed adults, fine structure
- Argas (Persicargas) arboreus* Kaiser, Hoogstraal & Kohls  
Varma, M. G. R.; and Converse, J. D., 1976, *J. Med. Entom.*, v. 13 (1), 65-70  
Keterah virus infections in *Argas* spp.
- Argas brumpti* Neumann  
Leahy, (Sr.) M. G.; et al., 1975, *J. Med. Entom.*, v. 12 (4), 413-414  
assembly pheromones from *Ornithodoros* and *Argas* species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location
- Argas cooleyi* Kohls & Hoogstraal  
Howell, F. G., 1976, *J. Med. Entom.*, v. 13 (1), 99-106  
*Argas cooleyi*, behavior responses to directed and undirected light, daily light cycle, effect of low temperature
- Argas cooleyi*  
Howell, F. G.; and Chapman, B. R., 1976, *Southwest. Nat.*, v. 21 (3), 275-280  
*Petrochelidon pyrrhonota*: northwestern Texas
- Argas cooleyi*  
Howell, F. G.; and George, J. E., 1973, *J. Med. Entom.*, v. 10 (5), 459-469  
*Argas cooleyi*, behavior and water balance, various relative humidities
- Argas (Argas) dalei* n. sp., illus.  
Clifford, C. M.; et al., 1976, *Ann. Entom. Soc. Am.*, v. 69 (5), 917-925  
*Speotyto cunicularia nanodes*: Lima, Peru
- Argas hasei* Schulze, 1935  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Ornithodoros (Alectorobius) hasei* (Schulze, 1935)
- Argas (Argas) hermanni* (Audouin)  
Varma, M. G. R.; and Converse, J. D., 1976, *J. Med. Entom.*, v. 13 (1), 65-70  
Keterah virus infections in *Argas* spp.
- Argas japonicus*  
Kitaoka, S.; and Fujisaki, K., 1976, *National Inst. Animal Health Quart.*, v. 16 (3), 114-121  
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals
- Argas japonicus* Yamaguti, Clifford and Tipton  
Uchikawa, K., 1975, *Eisei Dobutsu (Japan. J. San. Zool.)*, v. 26 (4), 207-212  
*Argas japonicus*, biological data, laboratory reared on chickens, development, idiosomal lengths in various stages, age composition, sex ratio, size distribution
- Argas latus*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Argas (Carios) macrodermae* n. sp., illus.  
Hoogstraal, H.; et al., 1977, *Ann. Entom. Soc. Am.*, v. 70 (6), 861-870  
*Macroderma gigas* (wing and tail membranes): caves near Rockhampton, Queensland, Australia
- Argas megnini* Duges, 1884  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Otobius megnini* (Duges, 1884)
- Argas miniatus* Kock  
Maldonado Capriles, J.; and Medina-Gaud, S., 1977, *J. Agric. Univ. Puerto Rico*, v. 61 (3), 402-404  
chickens: Penuelas, Bo. Quebrada Ceiba, Puerto Rico
- Argas (Argas) monachus*, n. sp., illus.  
Keirans, J. E.; Radovsky, F. J.; and Clifford, C. M., 1973, *J. Med. Entom.*, v. 10 (5), 511-516  
+*Myiopsitta monachus* (nest)  
+mammal (nest)  
all from Los Leones, 30°20' S, 65°10' W, 70 km NW Cruz del Eje, Cordoba Province, Argentina
- Argas persicus*, illus.  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Argas persicus*  
Bijwal, D. L.; and Dhawedkar, R. G., 1977, *Indian Vet. J.*, v. 54 (5), 412  
*Argas persicus*, establishment of spirochaete-free tick colony by xenodiagnosis (feeding on susceptible fowl) to distinguish spirochaete-free ticks
- Argas persicus*  
Borut, S.; and Feldman-Muhsam, B., 1976, *J. Parasitol.*, v. 62 (2), 318-320  
*Argasidae* spp., *Ixodidae* spp., in vitro spermiogenesis



- Argas (Persicargas) persicus* (Oken)  
Hoogstraal, H.; Kaiser, M. N.; and McClure, H. E., 1974, *J. Med. Entom.*, v. 11 (5), 513-524  
domestic chicken houses  
+Kakatoe roseicapilla (nests)  
all from New South Wales, Australia
- Argas (Persicargas) persicus* (Oken)  
Khalil, G. M.; and Shanbaky, N. M., 1975, *J. Med. Entom.*, v. 12 (1), 47-51  
*Argas arboreus*, egg development and oviposition, effect of mating with homologous males or with *A. persicus* and of other mechanical stimulation, effect of inoculating male accessory gland material and/or testis extracts into female hemocoel
- Argas persicus* (Oken)  
Leahy, (Sr.) M. G.; et al., 1975, *J. Med. Entom.*, v. 12 (4), 413-414  
assembly pheromones from *Ornithodoros* and *Argas* species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location
- Argas persicus*  
Leeftang, P.; and Ilemobade, A. A., 1977, *Trop. Animal Health and Prod.*, v. 9 (4), 211-218  
confirmed as vector of *Borrelia anserina* and *Aegyptianella pullorum*: northern Nigeria
- Argas persicus* Oken  
Maldonado Capriles, J.; and Medina-Gaud, S., 1977, *J. Agric. Univ. Puerto Rico*, v. 61 (3), 402-404  
chickens: San Juan market place, Puerto Rico
- Argas persicus* Oken, *illus.*  
Moorhouse, D. E., 1975, *Ztschr. Parasitenk.*, v. 48 (1), 65-71  
*Argas persicus*, larvae, feeding on chickens, histological studies, penetration by lysis, foreign body reaction, whole blood as diet throughout feeding, emigration of heterophils to surround mouthparts and mask them against foreign body reaction, example of adaptation tolerance; immunological response to salivary secretions not suppressed
- Argas persicus*  
Petrov, D.; and Gecheva, G., 1975, *Vet. Med. Nauk.*, v. 12 (8), 25-32  
*Argas persicus*, optimal temperatures for development 22-38° C, direct transformation of second stage nymphs to adults under favorable conditions, adult females laying eggs for first time have higher potential fertility than those having passed through several gonotrophic cycles, biological cycle continues throughout year in optimal conditions, adult engorges about 30 mg of blood at each feeding
- Argas persicus*  
Rosenstein, M., 1976, *Avian Dis.*, v. 20 (2), 407-409  
*Argas persicus* larvae, paralyzed chickens, case report, malathion
- Argas persicus* Oken  
Singh, A.; and Chhabra, R. C., 1974, *Indian J. Animal Sc.*, v. 43 (5), 1973, 393-397  
seasonal distribution  
*Bubalus bubalis* (hair)  
*Gallus gallus* (body)  
all from Hissar and suburbs, India
- Argas persicus* Oken, 1818  
Stefanov, V.; Matev, I.; and Balimezov, I., 1975, *Vet. Med. Nauki*, v. 12 (5), 45-50  
*Argas persicus*, vectors of pullorum disease
- Argas persicus* (Oken)  
Sternberg, S.; Peleg, B. A.; and Galun, R., 1973, *J. Med. Entom.*, v. 10 (2), 137-142  
*Argas persicus*, irradiation of males produces decreased fertility and egg hatching, not effective as tick control due to lowered competitiveness after first round of mating and aspermia; irradiated *Ornithodoros tholozani* males also ceased to mate after the first or second mating
- Argas pusillus, illus.*  
Stiller, D.; and Ranchitham, S. T., 1975, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 6 (3), 445-447 [Demonstration]  
production of cement substance at site of attachment by *Argas pusillus* larvae; no production of cement substance noted with *Ornithodoros batuensis*
- Argas radiatus* Railliet, *illus.*  
Obenchain, F. D.; and Oliver, J. H., jr., 1976, *J. Parasitol.*, v. 62 (5), 811-817  
*Amblyomma tuberculatum*, *Argas radiatus*, peripheral nervous system
- Argas reflexus*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Argas (Argas) reflexus*  
Gothe, R.; and Imhoff, N., 1975, *Berl. u. Munchen. Tierarztl. Wchnschr.*, v. 88 (22), 431-436  
arthropods, incidence in carrier pigeons, variation with host age: Germany
- Argas reflexus*  
Roman, E.; and Pichot, J., 1976, *Bull. Mens. Soc. Linn. Lyon*, v. 45 (9), 294-296  
Lyon
- Argas (Persicargas) robertsi* Hoogstraal, Kaiser and Kohls (1968)  
Hoogstraal, H.; et al., 1975, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 6 (4), 532-539  
*Argas robertsi*, life cycle and development using domestic pigeons as experimental hosts, comparison of population samples from Taiwan, Thailand, Indonesia, Australia and Sri Lanka

- Argas* (*Persicargas*) *robertsi* Hoogstraal, Kaiser & Kohls, illus.  
Hoogstraal, H.; Kaiser, M. N.; and McClure, H. E., 1974, *J. Med. Entom.*, v. 11 (5), 513-524  
+*Argas robertsi*, geographic distribution, habitats, host range and movements, virus infections  
+domestic chickens: Queensland, Australia  
+*Phalacrocorax* sp. (nest): Northern Territory, Australia  
+domestic chicken (cage): Sri Lanka  
+*Phalacrocorax carbo novaehollandiae*: New South Wales, Australia  
+*Threskiornis molucca* (nest): Northern Territory, Australia  
+*Egretta alba* (nest): Northern Territory, Australia  
+*Ardea picata* (nest): Northern Territory, Australia  
human: West Java, Indonesia  
*Egretta garzetta nigripes*: West Java, Indonesia  
+*Bubulcus ibis* (nest): West Java, Indonesia  
*Anastomus oscitans*: Thailand  
*Otus bakkamoena*: Thailand  
*Pelecanus philippensis philippensis*: Thailand  
under bark of neem trees: West Bengal, India  
+*Ardea cinerea rectirostris* (trees with nests of): Sri Lanka  
+*Anastomus oscitans* (trees with nests of): Sri Lanka  
+*Phalacrocorax* sp. (trees with nests of): Sri Lanka  
*Nycticorax nycticorax*: Taiwan  
+*Nycticorax nycticorax* (below rookery): Thailand
- Argas* (*Secretargas*) *transgaripepinus* (White)  
Varma, M. G. R.; and Converse, J. D., 1976, *J. Med. Entom.*, v. 13 (1), 65-70  
Keterah virus infections in *Argas* spp.
- Argas* *vespertilionis* Latreille, 1796  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, *Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool.* (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Argas* (*Carios*) *vespertilionis* (Latreille)  
Varma, M. G. R.; and Converse, J. D., 1976, *J. Med. Entom.*, v. 13 (1), 65-70  
Keterah virus infections in *Argas* spp.
- Argas vulgaris*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Argas* (*Persicargas*) *walkerae*  
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*Oryzomys concolor*: Bolivar, 12 km S, 43 km E Caicara (Hato La Florida), Venezuela  
*O. bicolor*: Sucre, 7 km N, 5 km E Guiria (Ensenada Cauranta), Venezuela
- Argulus  
Gerard, J. P., 1976, *Bull. Franc. Piscicult.* (262), 1-4  
masoten treatment of fish parasites, toxicity
- Argulus Muller  
Thomas, M. M.; and Devaraj, M., 1977, *Indian J. Fish.*, v. 22 (1-2), 1975, 215-220  
key to Indian species  
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Wissmath, P., 1975, Fisch u. Umwelt (1), 127-134  
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Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, Southwest. Nat., v. 22 (4), 525-535  
*Ictalurus punctatus*  
*Aplodinotus grunniens*  
*Micropterus salmoides*  
*Lepomis macrochirus*  
all from Eagle Mountain Lake, Texas
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key  
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Dabrowska, Z., 1970, Acta Parasitol. Polon., v. 17 (20-38), 189-193  
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- Argulus foliaceus* (L. 1758)  
Lee, R. L. G., 1977, Lond. Naturalist (1976) (56), 57-70  
*Rutilus rutilus* (gills)  
*Perca fluviatilis* (epidermis)  
all from Serpentine lake, Hyde Park and Kensington Gardens, central London
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- Argulus funduli*  
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Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, Southwest. Nat., v. 22 (4), 525-535  
*Pomoxis annularis* (general body surface, opercular region): Eagle Mountain Lake, Texas
- Argulus maculosus* Wilson  
Knuckles, J. L., 1977, J. Parasitol., v. 63 (2), 383  
*Lepomis macrochirus*: Sand Hole, Lumberton, North Carolina
- Arisocerus* Brennan 1970  
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*Armillifer armillatus* resulting in human pentastomiasis, need for diagnostic awareness in non-endemic areas, clinical aspects: France
- Armillifer armillatus*  
Cappuccinelli, P., 1972, Parassitologia, v. 14 (2-3), 255-260  
*Armillifer armillatus*, antigens, complement fixation and immunodiffusion studies of antibody response in rabbit; identification of active fractions by immunoelectrophoresis; immunodiffusion tests against *Echinococcus granulosus*, *Fasciola hepatica*, *Dicrocoelium dendriticum*, *Onchocerca volvulus* and *Ascaris suum*, no common antigens found
- Armillifer armillatus* Wyman 1847  
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*Cercopithecus sabaeus*: Liberia (West Africa)
- Armillifer armillatus*  
Discamps, G.; and Albert, J. P., 1974, Medecine Trop., v. 34 (2), 279-285  
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Smith, J. A.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 503-512  
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Banaja, A. A.; James, J. L.; and Riley, J., 1977, Internat. J. Parasitol., v. 7 (1), 27-40  
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Andreiko, O. F., 1973, [Parasites of mammals of Moldavia], 184 pp., illus.  
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Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
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Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
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- Ascoschoengastia** [Laurentella] indica (Hirst)  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
*Rattus tiomanicus*  
*R. muelleri*  
*R. whiteheadi*  
*Callosciurus notatus*  
*Rattus exulans*  
*R. r. diardii*  
all from North Borneo
- Ascoschoengastia indica**  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 113-114  
*Rattus rattus diardii*  
*R. norvegicus*  
*Suncus murinus*  
all from Jakarta, Indonesia
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Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Rattus argentiventer*  
*R. norvegicus*  
*R. r. diardii*  
*Mus musculus*  
all from Ancol, Jakarta, Indonesia
- Ascoschoengastia indica** (Hirst)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus luzonicus*: Luzon, Philippines
- Ascoschoengastia latyschevi** Schluger  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, Zool. Zhurnal, v. 55 (8), 1157-1162  
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- Ascoschoengastia** [Laurentella] lorius (Günther)  
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Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
*Blarina brevicauda*: Fires Creek area, Nan-  
tahala Mountains, North Carolina
- Asiochirus chimarrogale* sp. n.  
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ensia (64), 37-67  
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- Asiochirus crociduræ* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Crocidura hodgsoni*: Katmandu, Nepal
- Aspidoptera* new species  
Whitaker, J. O., jr.; and Mumford, R. E.,  
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woodland habitats, seasonal variation, fre-  
quency and intensity of infestation, numer-  
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(tod of subgen.), illus.  
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Domrow, R., 1970, Acarologia, v. 12 (2), 415-  
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as syn. of *Chirodiscinae*
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1887)
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1911)
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(in part) (not Strandtmann, 1946)  
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1949)
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Egoscue, H. J., 1976, Great Basin Nat., v. 36  
(4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis*  
and 3 sympatric rodents compared, degree of  
flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Microtus longicaudus latus*  
all from western Utah
- Atyphloceras echis echis* Jordan & Rothschild  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
*Peromyscus truei*: west of Rio Grande in and  
near Jemez Mts., New Mexico
- Atyphloceras multidentatus*  
Coultrip, R. L.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors  
and reservoir hosts of Rocky Mountain spot-  
ted fever and sylvatic plague, serological  
evidence for presence of rickettsial agent  
but presence of plague not demonstrated  
*Peromyscus californicus*  
*P. truei*  
*Neotoma fuscipes*  
*Microtus californicus*  
all from Fort Ord, California
- Atyphloceras multidentatus*  
Nelson, B. C.; and Smith, C. R., 1976, J. Med.  
Entom., v. 13 (1), 51-61  
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ment, California
- Atyphloceras nuperum* (Jord.)  
Haitlinger, R., 1975, Polskie Pismo Entom., v.  
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seasonal variance  
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- Audya nasicola* Vercammen-Grandjean, 1956  
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(Vercammen-Grandjean)
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*Trichoglossus haematod forsteni* (fosses  
nasales): originaire de Nouvelle-Guinee et  
mort a Anvers
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Tendeiro, J., 1975, Garcia de Orta, s. Zool.,  
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Gonioididae  
key, phylogenetic position
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- Australomyobia dasycercus* spec. nov. (tod)  
 Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Dasycercus cristicauda*: Charlotta Waters, Central Australia
- Australomyobiini* tr. nov.  
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*Myobiinae*  
 type genus: *Australomyobia* g. n.
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*Halcyon chloris*: New Hebrides
- Austromenopon beckii* (Kellogg, 1906)  
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*Phaethon rubricauda rothschildi*: Eastern Island, Midway Atoll, Pacific Ocean
- Austromenopon paululum* (Kellogg & Chapman, 1899)  
 Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
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 subgen. of *Radfordia*
- Austropsylla* Holland, 1971  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis
- Austropsylla brevipecten* Holland, 1971, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 diagnosis
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 Pospelova-Shtrom, M. V., 1969, Acarologia, v. 11 (1), 1-22 [Author reference published in Supplement 21 as 1969 a]
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*Crocethia alba* (nasal cavity): Island Tio  
Pepe, Prov. of Las Villas, Cuba  
*Squatarola squatarola* (nasal cavity): Cayo  
Monas Island, Prov. of Las Villas, Cuba  
*Larus argentatus smithsonianus* (nasal cavity):  
Cayo Lanzasillo Island, Prov. of Las  
Villas, Cuba  
*Thalasseus sandvicensis acutiflavus* (nasal  
cavity): El Socorro Island, Prov. of Las  
Villas, Cuba  
*Thalasseus maximus maximus* (nasal cavity):  
El Socorro Island, Prov. of Las Villas,  
Cuba
- Babiania* *parmifera* (Womersley)  
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*Riopa bowringi* (tail; between fore and hind  
legs): northeastern Thailand
- Bakericheyla chanayi* (Berlese & Trouessart)  
McGroarty, D. L.; and Dobson, R. C., 1974, *Am.*  
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*Passer domesticus*: northwestern Indiana
- Bakerocoptes cynopteris*  
Lavoipierre, M. M. J.; Rajamanickam, C.; and  
Ward, P., 1965, *Med. J. Malaya*, v. 20 (2), 173  
zoocoeidia induced in wing membrane of  
*Cynopterus brachyotis* by *Bakerocoptes cynop-*  
*teris*: Singapore
- Bariaka* *Cressey*, 1966  
Cressey, R. F., 1977, *Tr. Am. Micr. Soc.*,  
v. 96 (4), 467-476  
Syn.: *Protodactylina* *Laubier*, Maillard &  
Oliver
- Bariaka pamela* (*Laubier*, Maillard & Oliver)  
[n. comb.], illus.  
Cressey, R. F., 1977, *Tr. Am. Micr. Soc.*,  
v. 96 (4), 467-476  
redescription  
[Syn.]: *Protodactylina* *pamela* *Laubier*,  
Maillard & Oliver  
*Notorhynchus maculatus* (gill bar): 1/2 mile  
off Oyster Point, San Francisco Bay, Cali-  
fornia
- Basilina* new species  
Whitaker, J. O., jr.; and Mumford, R. E.,  
1977, *Entom. News*, v. 88 (9-10), 255-258  
*Myotis riparius*: Minas Gerais, Brazil
- Basilina antrozoi*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Lasiurus cinereus*  
*Antrozous pallidus*  
all from Big Bend National Park, Texas
- Basilina* (*Tripselia*) *blainvillii* *amiculata*  
(Speiser, 1907)  
Theodor, O., 1973, *J. Med. Entom.*, v. 10 (6),  
556-569  
*Taphozous longimanus*  
*T. saccolaimus*  
all from Bukit Lagong forest reserve, Selangor
- Basilina borneensis* Theodor, 1967  
Theodor, O., 1973, *J. Med. Entom.*, v. 10 (6),  
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*Murina huttoni*: Gunong Benom, Pahang
- Basilina* (*Conotibia*) *compar* Theodor, 1967  
Theodor, O., 1973, *J. Med. Entom.*, v. 10 (6),  
556-569  
*Kerivoula hardwickei*  
*Myotis mystacinus muricola*  
all from Bukit Lagong forest reserve,  
Selangor
- Basilina* (*Tripselia*) *coronata indivisa* Theodor,  
1967  
Theodor, O., 1973, *J. Med. Entom.*, v. 10 (6),  
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unidentified bat: Selangor
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- Boydaia agelaii* Fain et Aitken, 1968  
Dusbabek, F.; and Cerny, V., 1970, Acarologia, v. 12 (2), 269-281  
*Agelaius humeralis* (nasal cavity): Laguna del Tesoro, Prov. of Las Villas, Cuba  
*Dives atrovioleaceus* (nasal cavity): La Jaula, Guanajacabibes, Prov. of Pinar del Rio, Cuba
- Boydaia amandavae* Fain, 1962, illus.  
Fain, A., 1970, Acarologia, v. 12 (2), 313-325  
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Syn.: *Boydaia spatulata americana* Fain, 1963  
*Tangara gyrola* (fosses nasales): APEG Forest (Station A), Belem, Bresil  
*Sporophila americana* (fosses nasales): Sapucajuba, IPEAN, Belem, Bresil  
*Cyanocompsa cyanoides* (fosses nasales): Mosqueiro Ferry, Para, Bresil
- Boydaia clarki* Fain, 1963  
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- Boydaia* (*Coboydaia*) *clavata* (Fain, 1955)  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
*Ploceus vitellinus*  
*P. cucullatus*  
*Euplectes hordeaceus*  
*E. ardens*  
*E. macrourus*  
*Quelea quelea*  
(fosses nasales of all): all from Cameroun
- Boydaia faini* sp. n., illus.  
Dusbabek, F.; and Cerny, V., 1970, Acarologia, v. 12 (2), 269-281  
*Dendroica cerulea* (nasal cavity): Havana, Cuba



- Boydaia falconis* Fain, 1956  
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*Falco sparverius*: near Millett, La Salle County, Texas
- Boydaia formicarii* nov. spec., illus.  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
*Formicarius colma* (fosses nasales): Mosqueiro Ferry, Benevides, Para, Bresil  
*F. analis* (fosses nasales): Mosqueiro Ferry, Marituba, Para, Bresil
- Boydaia* (*Boydaia*) *hirundoae* Fain, 1956  
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- Boydaia laticoxa* Fain et Aitken, 1969, illus.  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
APEG Forest (Varza) Belem, Bresil; APEG Forest (Station A) IPEAN, Belem, Bresil
- Boydaia laticoxa philydori* nov. subspec.  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
*Philydor pyrrhodes* (fosses nasales): APEG Forest (Station A), IPEAN, Belem, Bresil
- Boydaia locustellae* nov. spec., illus.  
Fain, A., 1970, Acarologia, v. 12 (2), 313-325  
*Locustella luscinioides* (fosses nasales): Hoboken, pres d'Anvers, Belgique
- Boydaia morenoi* sp. n., illus.  
Dusbabek, F.; and Cerny, V., 1970, Acarologia, v. 12 (2), 269-281  
*Mimus polyglottos orpheus* (nasal cavity): El Dorado, Prov. of Las Villas, Cuba
- Boydaia* (*Coboydaia*) *nigra* (Fain, 1955)  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
*Serinus mozambicus* (fosses nasales): Cameroun
- Boydaia pheuticola* sp. n., illus.  
Pence, D. B.; and Casto, S. D., 1976, J. Parasitol., v. 62 (3), 466-469  
*Pheuticus melanocephalus*: near Fort Davis, Jeff Davis County, Texas
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Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
*Pyncnonotus barbatus* (fosses nasales): Cameroun
- Boydaia quiscalis* Clark, 1960  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
*Saltator maximus* (fosses nasales): Sapucajuba, IPEAN, Belem, Bresil
- Boydaia rosickyi* sp. n., illus.  
Dusbabek, F.; and Cerny, V., 1970, Acarologia, v. 12 (2), 269-281  
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- Boydaia spatulata americana* Fain, 1963  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
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Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Sturnus vulgaris*: South Bass Island, Ottawa County, Ohio
- Boydaia synallaxis* Fain, Hyland et Aitken, 1969, illus.  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
description  
*Synallaxis rutilans* (fosses nasales): Mosqueiro Ferry, Marituba, Para, Bresil; Mosqueiro Ferry, Benevides, Para, Bresil  
*S. gujanensis* (fosses nasales): Sapucajuba, IPEAN, Belem, Bresil  
*S. erythrothorax* (fosses nasales): Vera Cruz, Mexique
- Boydaia tyrannis* Ford, 1959  
Dusbabek, F.; and Cerny, V., 1970, Acarologia, v. 12 (2), 269-281  
*Tyrannus dominicensis dominicensis* (nasal cavity): Cayo Largo, Canarreos, Prov. of Havana, Cuba
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Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
*Manacus manacus* (fosses nasales): Mucambo Forest, IPEAN, Belem, Bresil  
*Pipra pipra* (fosses nasales): APEG Forest (Station A), Belem, Bresil  
*P. fasciicauda* (fosses nasales): APEG Forest (Varzea), Belem, Bresil  
*P. iris* (fosses nasales): Mosqueiro Ferry, Benevides, Para, Bresil
- Boydaia tyrannis* Ford, 1959  
Pence, D. B.; and Casto, S. D., 1976, J. Parasitol., v. 62 (3), 466-469  
*Myiarchus cinerascens*: near Candelaria, Presidio County, Texas
- Boydaia zosteropsis* Fain, 1963  
Fain, A., 1970, Acarologia, v. 12 (2), 313-325  
"L'hôte typique de cette espèce est *Zosterops senegalensis scotti* et non *Zosterops virens scotti* comme nous l'avions écrit par erreur dans la description originale."
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Cressey, R. F., 1977, Tr. Am. Micr. Soc., v. 96 (4), 467-476  
Bomolochidae  
tod: *B. longispica* n. g., n. sp.
- Boylea longispica* n. g., n. sp. (tod), illus.  
Cressey, R. F., 1977, Tr. Am. Micr. Soc., v. 96 (4), 467-476  
*Elagatis bipinnulatus* (nasal sinuses): Palau Is.; Carolina Is.; Gulf of Thailand
- Brachiella magna* sp. nov., illus.  
Kabata, Z., 1968, J. Nat. Hist., v. 2 (4), 505-523  
*Scomberomorus commersoni* (gills): off Green Island, Queensland

- Brachiella oblonga*  
Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451  
crustacean parasites of *Mugil cephalus*, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia
- Brachiella tetrici* sp. nov., illus.  
Kabata, Z., 1968, J. Nat. Hist., v. 2 (4), 505-523  
*Pseudolabrus tetricus* (gills): Port Willunga
- Brachychthonius* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*: Coles County, Illinois
- Brachytarsina* Macquart  
Vazirani, T. G.; and Advani, R., 1976, Oriental Insects, v. 10 (3), 453-457  
key to Indian species, includes: *B. speiseri*; *B. gigantea*; *B. cucullata*; *B. taji*; *B. amboinensis*; *B. modesta*; *B. audata*; *B. pygialis*; *B. sinhai* sp. nov.
- Brachytarsina adversa* Maa & Marshall, 1976 [nom. nud.]  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Myotis adversus*: New Hebrides
- Brachytarsina amboinensis* Rondani, 1878  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Miniopterus medius*  
*Rhinolophus affinis*  
all from Panching, Pahang
- Brachytarsina amboinensis pretiosa* (Falcoz, 1924)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Hipposideros galeritus*  
*Myotis adversus*  
*Miniopterus tristis*  
*M. medius*  
*M. australis*  
all from New Hebrides
- Brachytarsina asellisci* Maa & Marshall, 1976 [nom. nud.]  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Aselliscus tricuspidatus*: New Hebrides
- Brachytarsina modesta* (Jobling, 1934)  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Syn.: *Nycteribosca modesta* Jobling, 1934  
*Rhinolophus stheno*  
*R. affinis superans*  
*R. refulgens*  
*R. macrotis dohrni*  
all from Malaya
- Brachytarsina* (Megastrebla) *nigriceps* (Jobling, 1934)  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Syn.: *Nycteribosca nigriceps* Jobling, 1934  
*Penthetor lucasi*: Malaya
- Brachytarsina* (Megastrebla) *parvior* Maa, 1962  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Syn.: *Nycteribosca parvior* Maa, 1962  
*Eonycteris spelaea*: Malaya
- Brachytarsina rouxi* (Falcoz, 1921)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Notopterus macdonaldi*: New Hebrides
- Brachytarsina sinhai* sp. nov., illus.  
Vazirani, T. G.; and Advani, R., 1976, Oriental Insects, v. 10 (3), 453-457  
key  
*Rhinopoma microphyllum*: Malarana Dungar (45 km SW from Sawai Madhopur), Rajasthan, India
- Bradiopsylla* Jordan and Rothschild, 1922  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Bradiopsylla echidnae* (Denny, 1943), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, diagnosis  
*Protemnodon* sp.: Tasmania  
*Sarcophilus harrisii*: Tasmania  
*Echidna hystrix*: New South Wales; Victoria  
*E. setosa*: Tasmania  
*E. aculeata*: New South Wales  
*Echidna* sp.: New South Wales; Victoria;  
Australian Capital Territory  
*Tachyglossus setosa*: Tasmania  
*T. aculeata*: New South Wales; Australian Capital Territory; Victoria  
*T. aculeatus setosus*: Tasmania  
*Tachyglossus*: Victoria or New South Wales
- Braga* sp.  
Ho, J.-S., 1975, Fish Bull. (165), State Calif., Resources Agency, Dept. Fish and Game, 69-72  
*Hypsopsetta guttulata* (gill cavity): Anaheim Bay
- Brevibrachia*  
Kabata, Z., 1977, Proc. Biol. Soc. Wash., v. 90 (2), 189-193  
subgen. of *Salmincola*  
key to species, includes: *S. (Brevibrachia) extumescens*; *S. (Brevibrachia) strigatus*; *S. (Brevibrachia) longimanus*; *S. (Brevibrachia) nordmanni*; *S. (Brevibrachia) extensus*; *S. (Brevibrachia) jacuticus*
- Brotherus longicornis* Budde-Lund, 1908  
Monod, T., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (319), Zool. (226), 999-1004  
as syn. of *Argathona macronema* (Bleeker, 1857)

- Brueelia* species-group  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199.  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Halcyon chloris*  
*Coracina caledonica*  
*Turdus poliocephalus*  
*Myiagra caledonica*  
*Pachycephala pectoralis*  
all from New Hebrides
- Brueelia* sp.  
Rak, H.; Anwar, M.; and Niak, A., 1975, Bull. Soc. Path. Exot., v. 68 (6), 588-591  
*Turdus ruficollis*: Iran
- Brueelia argula* Burm., 1838  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
[*Corvus corax*]: Kashka-Darya oblast
- Brueelia clayae*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Cyanocitta cristata*: South Bass Island, Ottawa County, Ohio
- Brueelia cyclothorax*  
Brown, N. S.; and Wilson, G. I., 1975, Am. Midland Naturalist, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Boston, Mass.; Stockton-on-Tees, England
- Brueelia iliaci brevicolor*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Turdus migratorius*: South Bass Island, Ottawa County, Ohio
- Brueelia nebulosa*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Sturnus vulgaris*: South Bass Island, Ottawa County, Ohio
- Brueelia ornatissima*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Agelaius phoeniceus*: South Bass Island, Ottawa County, Ohio
- Brueelia rotundata* (Osborn, 1896)  
Andrews, S. E.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 24-28  
*Corvus brachyrhynchos* (ventral regions): insular Newfoundland
- Brueelia subtilis*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Passer domesticus*: South Bass Island, Ottawa County, Ohio
- Brueelia subtilis* (Nitzsch)  
McGroarty, D. L.; and Dobson, R. C., 1974, Am. Midland Naturalist, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Brueelia subtilis*  
Tieben, G. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 405 [Abstract]  
techniques for collecting ectoparasites from small birds  
*Passer domesticus*
- Buceroemersonia* n. gen.  
Elbel, R. E., 1977, Proc. Biol. Soc. Wash., v. 90 (4), 798-807  
*Ischnocera*  
tod: *B. clarkei* n. sp.
- Buceroemersonia brelihi* n. sp., illus.  
Elbel, R. E., 1977, Proc. Biol. Soc. Wash., v. 90 (4), 798-807  
*Tockus deckeni* (skins): Tana River, Kenya, Africa; Koka, Ethiopia, Africa; Gato River, Gardula, Ethiopia, Africa  
*T. nasutus forskalii*: Aden, Saudi Arabia  
*T. e. erythrorhynchus* (skins): Somalia, Africa; Marsabit, Kenya, Africa; Ethiopia, Africa  
*T. erythrorhynchus rufirostris*: Gravelotte, Transvaal, South Africa; Goha Hill, Botswana, Africa; Chirundu, Zambia, Africa; Kariba, Rhodesia, Africa  
*T. f. flavirostris* (skins): Hargeisa, Somalia, Africa; Isiolo, Kenya, Africa; Ethiopia  
*T. flavirostris leucomelas*: Limpopo River, Chicualacuala, Mozambique, Africa; Debeeti, Botswana; Newington, Transvaal, South Africa  
*T. alboterminatus geloensis x suahelicus* (skins): Meru Forest, Kenya, Africa
- Buceroemersonia clarkei* n. sp. (tod), illus.  
Elbel, R. E., 1977, Proc. Biol. Soc. Wash., v. 90 (4), 798-807  
*Tockus hemprichii* (skin): Ethiopia, Africa (Bodessa; Mt. Albana; Algehe)  
*T. n. nasutus* (skins): Uganda, Cameroon, and Sudan, Africa  
*T. nasutus forskalii*: Aden, Saudi Arabia  
*T. nasutus ephirinus* (skins): Zambia, Africa; Mabelikwa, Transvaal, South Africa; Lake Upemba, Mabwe, Zaire, Africa  
*T. monteiri* (skins): Windhoek, Namibia, Africa; Waterberg, Namibia, Africa  
*T. p. pallidirostris* (skins): Cuango River, Cafunfo, Angola; Mpata Hills, Zambia; Africa  
*T. pallidirostris neumanni* (skin): Morogoro, Tanzania, Africa  
*T. pallidirostris subsp.* (skins): Lundazi and Kafue River, Chilula, Zambia, Africa  
*T. alboterminatus geloensis* (skins): Mpata Hills, Zambia, Africa; Muliashi, Zambia, Africa; Marungu Mts., Zaire, Africa  
*T. alboterminatus suahelicus* (skins): Monkey Bay, Malawi, Africa; Nairobi, Kenya, Africa  
*T. alboterminatus australis* (skins): Zululand, Natal, South Africa  
*T. bradfieldi* (skins): Maun, Botswana, Africa  
*T. griseus ginalensis* (skins): Embilipitiya, Ceylon  
*T. birostris* (skins): Madras, India; Londa, Mysore, India; Kalnahi, Uttar Pradesh, India; Simra, Nepal; Kotla, Kangra, Punjab, India; Baihar, Madhya Pradesh, India; Hardwar, Uttar Pradesh, India; RamanujGanj, Madhya Pradesh, India



*Buceronirmus deignani* n. sp., illus.

Elbel, R. E., 1977, *Pacific Insects*, v. 17

(4), 413-418

"...Ziegler (1971) stated that Dr Elbel would describe the species as *Buceronirmus orientalis*. The name *orientalis* thereby became a nomen nudum."

*Rhyticeros u. undulatus* (skins): Tenasserim and Talok Krang, Burma; Malacca, Malaysia; Thailand (Phatthalung, Ban Na, Trang, Lamo, Chon Buri, Siracha, Nong Ko, Ranong and Bang Non); Vienna Zoo, Austria; Rupert Strait, East Sumatra

*R. undulatus ticehursti* (skins): Tenasserim and Tavoy River, Burma; Pak Song, Laos; Assam and Manipur, India

*R. undulatus aequabilis*: Borneo

*R. plicatus subruficollis* (skins): Thailand (Ranong, Kapoe and Thungkha); Domel, Mergui Archipelago

*Buceronirmus orientalis*

Elbel, R. E., 1977, *Pacific Insects*, v. 17

(4), 413-418

"...Ziegler (1971) stated that Dr Elbel would describe the species as *Buceronirmus orientalis*. The name *orientalis* thereby became a nomen nudum."

described as *B. deignani* n. sp.

*Buceronirmus thompsoni* n. sp., illus.

Elbel, R. E., 1977, *Pacific Insects*, v. 17

(4), 413-418

*Rhyticeros plicatus ruficollis* (skins): New Guinea (Vogelkop, Kebar Valley, Senopi, Geelvink Baai)

*R. plicatus jungei* (skins): New Guinea (Idenburg River, Japen I)

*R. plicatus dampieri* (skins): New Britain I and New Ireland I, Bismarck Archipelago

*R. plicatus harterti* (skins): Solomon Is. (Bougainville, Buka, Fauro and Shortland)

*R. plicatus mendanae* (skins): Solomon Is. (Ysabel, Choiseul and Guadalcanal)

*R. plicatus subsp.* (skins): New Guinea

*Buclypeus* Brennan 1972

Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566

synoptic key to 87 genera of chiggers in the Western Hemisphere

*Bufolucilia elongata* Shannon 1924

Briggs, J. L., 1975, *J. Parasitol.*, v. 61 (3), 412

*Bufo americanus* (dorsal surface): Bruce Kelly property 0.7 mile north of Sugar Creek Road on Connaughton Road, Walworth County, Wisconsin

- Caenopsylla laptevi relicta* ssp. nova, illus.  
Beaucournu, J. C.; Gil Collado, J.; and Gilot, B., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 139-145  
*Oryctolagus cuniculus*: Puyricard (Bouches-du-Rhone), France; Caromb (Vaucluse), France; Pampliega (Burgos), Espagne
- Calcaromyobia* Radford, 1952  
Uchikawa, K., 1976, Annot. Zool. Japon., v. 49 (1), 55-59  
description
- Calcaromyobia* sp.  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Calcaromyobia japonica* spec. nov., illus.  
Uchikawa, K., 1976, Annot. Zool. Japon., v. 49 (1), 55-59  
*Miniopterus shreibersi fuliginosus*: Obirano-do Cave, Miyazaki Prefecture, Kyushu, Japan
- Caligus arii* Bassett-Smith, 1898, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description  
*Pseudarius jatus* (opercle): Trivandrum
- Caligus asymmetricus* Kabata, 1965  
Rohde, K., 1976, Ztschr. Parasitenk., v. 51 (1), 49-69  
*Scomberomorus commersoni* (gills): near Heron Island
- Caligus auxisi* sp. nov., illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
*Auxis thazard* (opercle): Trivandrum
- Caligus brevicaudus* sp. nov., illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
*Caranx* sp. (opercle): Trivandrum
- Caligus cordyla* sp. nov., illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
*Megalaspis cordyla* (opercle, gill arches): Trivandrum
- Caligus cossacki* [of] Rangnekar and Murti, 1959  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
as syn. of *Caligus epinepheli* Yamaguti, 1936
- Caligus cunicephalus* Gnanamuthu, 1950, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description  
*Trichiurus savala* (buccal cavity): Trivandrum
- Caligus epinepheli* Yamaguti, 1936, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description, syn.: *Caligus cossacki* [of] Rangnekar and Murti, 1959  
*Chorinemus tala* (opercle): Trivandrum
- Caligus hamruri* n. sp., illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
*Priacanthus hamrur* (opercle): Trivandrum, South India
- Caligus infestans* Heller, 1865  
Rohde, K., 1976, Ztschr. Parasitenk., v. 51 (1), 49-69  
*Scomberomorus commersoni* (gills): near Heron Island
- Caligus kuroshio* Shiino, 1959, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
synonymy, description  
*Euthynnus affinis* (gill arches): Trivandrum
- Caligus longicaudus* Bassett-Smith, 1898, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description, first description of male  
*Chirocentrus dorab* (opercle): Trivandrum
- Caligus minutus* sp. nov., illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
*Chiloscyllium indicum* (body surface): Trivandrum
- Caligus phipsoni* Bassett-Smith, 1898, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description  
*Polynemus plebeius* (opercle, buccal cavity): Trivandrum
- Caligus quadratus* Shiino, 1959  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
*Coryphaena hippurus* (opercle): Trivandrum and Vizhingom, South India
- Caligus rapax*  
McVicar, A. H., 1977, J. Helminth., v. 51 (1), 11-21  
intestinal helminths of *Raja naevus*, incidence, intensity, pattern of infection with host age and sex, geographical differences in composition of parasite burden  
*Raja naevus* (stomach): off Aberdeen
- Caligus robustus* Bassett-Smith, 1898, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description  
*Caranx sansun*  
*C. melanampygus*  
(opercle of all): all from Trivandrum
- Caligus rufimaculatus*  
Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451  
crustacean parasites of *Mugil cephalus*, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia
- Caligus russellii* Kurian, 1950, illus.  
Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description  
*Pterois russellii* (body surface)  
*P. miles* (gills)  
all from Trivandrum

- Caligus sphyraeni* sp. nov., illus.  
 Pillai, N. K., 1963, J. Marine Biol. Ass.  
 India, v. 5 (1), 68-96  
*Sphyraena jello*  
*S. acutipinnis*  
 (opercle of all): all from Trivandrum
- Caligus spinosus* Yamaguti, 1939, illus.  
 Pillai, N. K., 1963, J. Marine Biol. Ass.  
 India, v. 5 (1), 68-96  
 description  
*Sphyraena obtusata* (buccal cavity): Trivandrum
- Caligus thynni* sp. nov., illus.  
 Pillai, N. K., 1963, J. Marine Biol. Ass.  
 India, v. 5 (1), 68-96  
*Euthynnus affinis* (gill arch): Trivandrum
- Calliphora albifrontalis*  
 Watts, J. E.; et al., 1976, Austral. Vet. J.,  
 v. 52 (10), 488-489 [Letter]  
 Syn.: *C. australis* Boisd. of Mackerras and  
 Fuller 1937  
 fly strike, sheep: south-eastern Australia
- Calliphora augur*  
 Watts, J. E.; et al., 1976, Austral. Vet. J.,  
 v. 52 (10), 488-489 [Letter]  
 fly strike, sheep: south-eastern Australia
- Calliphora australis* Boisd. of Mackerras and  
 Fuller 1937  
 Watts, J. E.; et al., 1976, Austral. Vet. J.,  
 v. 52 (10), 488-489 [Letter]  
 as syn. of *C. albifrontalis*
- Calliphora nociva*  
 Watts, J. E.; et al., 1976, Austral. Vet. J.,  
 v. 52 (10), 488-489 [Letter]  
 fly strike, sheep: south-eastern Australia
- Calliphora stygia*  
 Tenquist, J. D.; and Wright, D. F., 1976, N.  
 Zealand J. Exper. Agric., v. 4 (3), 291-295  
 blowfly strike in sheep, distribution, prevalence,  
 economic importance, preferred methods of treatment:  
 New Zealand
- Calliphora stygia*  
 Watts, J. E.; et al., 1976, Austral. Vet. J.,  
 v. 52 (10), 488-489 [Letter]  
 fly strike, sheep: south-eastern Australia
- Calliphora vicina*  
 Ribbeck, R.; Schumann, H.; and Bergmann, V.,  
 1975, Monatsh. Vet.-Med., v. 30 (15), 584-587  
*Lucilia sericata*, *Calliphora vicina*, *C.*  
*vomitioria*, cause of myiasis of guinea pigs  
 in animal test center, pathological studies
- Calliphora vomitoria*  
 Ribbeck, R.; Schumann, H.; and Bergmann, V.,  
 1975, Monatsh. Vet.-Med., v. 30 (15), 584-587  
*Lucilia sericata*, *Calliphora vicina*, *C.*  
*vomitioria*, cause of myiasis of guinea pigs  
 in animal test center, pathological studies
- Callistopsyllus deuterus*  
 Nelson, B. C.; and Smith, C. R., 1976, J. Med.  
 Entom., v. 13 (1), 51-61  
*Peromyscus crinitus*: Lava Beds National  
 Monument, California
- Callistopsylla terinus*  
 Egoscue, H. J., 1976, Great Basin Nat., v. 36  
 (4), 475-480  
 fleas of *Peromyscus maniculatus sonoriensis*  
 and 3 sympatric rodents compared, degree of  
 flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
 all from western Utah
- Callistopsyllus terinus* (Rothschild)  
 Haas, G. E.; et al., 1973, J. Med. Entom.,  
 v. 10 (3), 281-289  
 fleas of mammals, seasonal occurrence, geographic  
 distribution, host and nest preference,  
 sex ratio, degree of plague infection  
*Peromyscus boylii*  
*P. truei*  
 all from west of Rio Grande in and near  
 Jemez Mts., New Mexico
- Callitroga americana*  
 Murray, V. I. E.; and Thompson, K., 1976,  
 Trop. Agric., Trinidad, B. W. I., v. 53 (3),  
 263-266  
 wound myiasis, incidence  
 dog  
 cow  
 sheep  
 goat  
 pig  
 man  
 all from Trinidad and Tobago
- Callitroga hominivorax*, illus.  
 Jörg, M. E., 1976, Prensa Med. Argent., v. 63  
 (2), 47-51  
 human anal myiasis, general clinical manifestations,  
 diagnosis, medical management, review
- Callitroga macellaria*  
 Murray, V. I. E.; and Thompson, K., 1976,  
 Trop. Agric., Trinidad, B. W. I., v. 53 (3),  
 263-266  
 wound myiasis, incidence, various animals:  
 Trinidad and Tobago
- Callopsylla (Callopsylla) saxatilis* (Ioff &  
 Argyropoulos, 1934)  
 Beaucournu, J. C., 1976, Ann. Soc. Entom.  
 France, n. s., v. 12 (2), 199-213  
*Ceratophyllidae* of French mammals, geographic  
 distribution, ecology, sex ratio, epidemiological  
 role, review: France
- Callopsylla tenuihamus atallahi* (Lewis, 1971)  
 [n. rank]  
 Smit, F. G. A. M., 1974, Senckenbergiana  
 Biol., v. 55 (4-6), 357-398  
*Pitymys sikimensis*: Nepal
- Callopsylla tenuihamus tenuihamus* (Liu, Wu &  
 Wu, 1966)  
 Smit, F. G. A. M., 1974, Senckenbergiana  
 Biol., v. 55 (4-6), 357-398  
*Alticola stoliczkanus*: Nepal
- Caloenectes* Fain, 1966  
 Fain, A.; and Amerson, A. B., jr., 1968, J.  
 Med. Entom., v. 5 (3), Aug. 1, 320-324  
 subgen. of *Neottialges*, description



- Calvolia* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*: Coles County, Illinois
- Camerolaelaps* Fonseca, 1960  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
as syn. of subgenus *Echinolaelaps* Ewing, 1929
- Campanulotes* Keler, 1939  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69  
Goniodidae  
key, phylogenetic position
- Campanulotes* Keler, 1940  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *C. bidentatus* compar (Nitzsch in Burmeister, 1838)
- Campanulotes bidentatus* (Scopoli, 1763), illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
*Columba livia domestica*: Spain
- Campanulotes bidentatus bidentatus* (Scopoli), illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Campanulotes bidentatus* compar  
Gothe, R.; and Imhoff, N., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (22), 431-436  
arthropods, incidence in carrier pigeons, variation with host age: Germany
- Campanulotes bidentatus* compar (Burmeister), illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Campanulotes bidentatus* compar (Burmeister, 1838)  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Columba livia*: Sand Island, Midway Atoll, Pacific Ocean
- Campanulotes* compar (Burmeister, 1838), illus.  
Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 214-226  
description  
[domestic pigeon]: Moldavian SSR; and Chernovtzy oblast, Ukrainian SSR
- Campanulotes* compar (Burmeister, 1838)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Campanulotes bidentatus* (Scopoli, 1763)
- Canolira* du Cap: Latreille, 1829  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Anilocra capensis* Leach, 1818
- Canolira albicornis* Guerin, 1832-1835  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra physodes* (L., 1758)
- Canolira capensis*: Guerin-Meneville  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Anilocra capensis* Leach, 1818
- Caparinia tripilis*  
Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 21-27  
Igel
- Capraiella subcuspidata* Burm., 1838  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
[*Coracias garrulus*]: Kashka-Darya oblast
- Carnus haemapterus*  
Borisova, V. I., 1975, Biol. Nauk., Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR (141), year 18, (9), 14-18  
nest ectoparasite specificity  
+[*Muscicapa albicollis*]  
+[*Sturnus vulgaris*]  
+[*Passer montanus*]  
(nest of all)
- Carnus hemapterus* Nitzsch, illus.  
Capelle, K. J.; and Whitworth, T. L., 1973, J. Med. Entom., v. 10 (5), 525-526  
black-billed magpie: Cache County, Utah; Franklin County, Idaho  
starling: Cache County, Utah; Poynette, Columbia County, Wisconsin  
Williamson's sapsucker: Cache County, Utah  
red-shafted flicker: Box Elder County, Utah  
sparrow hawk: Cache County, Utah  
yellow-bellied sapsucker: Cache County and Box Elder County, Utah
- Carnus hemapterus* Nitzsch  
Wilson, N.; and Bull, E. L., 1977, Bird-Banding, v. 48 (2), 171-173  
+*Dryocopus pileatus* (nest): Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Carteretta carteri*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Perognathus californicus*  
*Peromyscus californicus*  
all from Fort Ord, California
- Carteretta clavata*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus crinitus pergracilis*: western Utah

- Catallagia* sp.  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
Neotoma cinerea  
Peromyscus maniculatus  
all from Lava Beds National Monument, California
- Catallagia* sp.  
Poinar, G. O., jr.; and Nelson, B. C., 1973, J. Med. Entom., v. 10 (4), 349-354  
Peromyscus maniculatus sonoriensis: Modoc County, Hackamore, California
- Catallagia dacenkoi* Ioff  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
Citellus undulatus: Tuva
- Catallagia decipiens*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of Peromyscus maniculatus sonoriensis and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
Peromyscus maniculatus sonoriensis  
Microtus longicaudus latus  
all from western Utah
- Catallagia decipiens* Rothschild  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
Eutamias quadrivittatus  
Spermophilus lateralis  
+Tamiasciurus hudsonicus (nest)  
Peromyscus maniculatus  
P. truei  
Neotoma mexicana  
+N. cinerea (nest)  
Clethrionomys gapperi  
Microtus montanus  
M. longicaudus  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Catallagia decipiens* Rothschild  
O'Farrell, T. P., 1975, Am. Midland Naturalist, v. 93 (2), 377-387  
Peromyscus maniculatus: Arid Lands Ecology Reserve, Benton County, Washington
- Catallagia mathesoni*  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
Peromyscus maniculatus: Lava Beds National Monument, California
- Catallagia sculleni*  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
Peromyscus maniculatus  
P. crinitus  
all from Lava Beds National Monument, California
- Catallagia sculleni rutherfordi* (Augustson 1941)  
Poinar, G. O., jr.; and Nelson, B. C., 1973, J. Med. Entom., v. 10 (4), 349-354  
Catallagia sculleni rutherfordi, parasitic castration by Psyllotylenchus viviparus n. sp.  
Peromyscus maniculatus sonoriensis: Plumas County, Lake Almanor, Main Campground, California
- Cebidicola* Bedford, 1936  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
Syn.: Meganarion Keler, 1938
- Cebidicola armatus* (Neumann), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Cebidicola extrarius* Werneck, 1950, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
Alouatta seniculus: Venezuela
- Cebidicola semiarmatus* (Neumann), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key, syn.: Trichodectes semiarmatus Neumann, 1913
- Cediopsylla* Jordan  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key
- Cediopsylla inaequalis*  
Brittain, P. C.; and Voth, D. R., 1975, J. Wildlife Dis., v. 11 (2), 269-271  
Lepus californicus melanotis: Rocky Mountain Arsenal near Denver, Colorado
- Cediopsylla inaequalis*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
Sylvilagus bachmani  
Lepus californicus  
all from Fort Ord, California
- Cediopsylla inaequalis inaequalis* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
Sylvilagus nuttallii  
Canis latrans  
C. familiaris  
Lynx rufus  
Felis catus  
all from west of Rio Grande in and near Jemez Mts., New Mexico

- Cediopsylla simplex* (Baker)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
Sylvilagus floridanus: Racine, Kenosha Cities and Somers, Kenosha Co., Wisconsin; Lake Co., Ill.  
Canis familiaris: Racine-Kenosha Co., Wisconsin
- Cediopsylla simplex*  
Berry, R. L.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 992-998  
arthropods collected and tested as carriers of California encephalitis, negative for virus isolations: Gambier, Ohio
- Cediopsylla simplex*  
Harman, D. M.; and Chapman, J. A., 1977, Proc. Pennsylvania Acad. Sc., v. 51 (1), 40-42  
Cediopsylla simplex, Odontopsyllus multispinosus, Ixodes dentatus, and Haemaphysalis leporispalustris on Sylvilagus transitionalis, seasonal distribution, sex and age of host: Tucker County, West Virginia
- Cediopsylla simplex*  
Jacobson, H. A.; and Kirkpatrick, R. L., 1974, J. Wildlife Dis., v. 10 (4), 384-391  
comparison of selected physiological measurements in untreated parasitized cottontail rabbits and those treated with 1-tetramisole hydrochloride and 2,2-dichlorovinyl, dimethyl phosphate: Montgomery County, Virginia
- Cediopsylla simplex* (Baker), illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
description  
Procyon lotor  
Mustela vison  
Vulpes fulva  
Urocyon cinereoargenteus  
Felis domestica  
Lynx rufus  
Neotoma floridana illinoensis  
Sylvilagus floridanus  
S. aquaticus  
Odocoileus virginianus  
all from Alabama
- Cediopsylla simplex*  
Spieker, J. O.; and Yuill, T. M., 1976, J. Wildlife Dis., v. 12 (3), 310-314  
Sylvilagus floridanus: Nevin Fish Hatchery grounds, Fitchburg, Wisconsin
- Cediopsylla simplex* (Baker)  
Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, Proc. Indiana Acad. Sc., v. 83, 1973, 478-481  
Scalopus aquaticus (fur): Indiana
- Centrotrombidium*, Andre et Lelievre-Farjon, 1961, Robaux, 1967  
Vercammen-Grandjean, P. H.; and Fieder, Z., 1973, Riv. Parassitol., Roma, v. 34 (2), 121-126  
as syn. of *Centrotrombidium* Kramer, 1896
- Centrotrombidium* Kramer, 1896  
Vercammen-Grandjean, P. H.; and Fieder, Z., 1973, Riv. Parassitol., Roma, v. 34 (2), 121-126  
description, generic diagnosis, synonymy
- Centrotrombidium romaniense* n. sp., illus.  
Vercammen-Grandjean, P. H.; and Fieder, Z., 1973, Riv. Parassitol., Roma, v. 34 (2), 121-126  
"deux johnstonianides larvaires, identifiées erroneusement comme étant Diplothrombium mol-davicum Feider, 1959"  
Dicranota bimaculata: Odorhein-Secuiesc, Harghita, Roumanie
- Cephalodelphys* gen. n.  
Lafargue, F.; and Laubier, L., 1977, Arch. Zool. Exper. et Gen., v. 118 (2), 173-196  
Notodelphyidae  
tod: C. stellata sp. n.
- Cephalodelphys stellata* sp. n. (tod), illus.  
Lafargue, F.; and Laubier, L., 1977, Arch. Zool. Exper. et Gen., v. 118 (2), 173-196  
Didemnum bicolor: Golfe d'Eilat (Mer Rouge)
- Cephenemyia* sp.  
Reed, D. E.; et al., 1976, J. Am. Vet. Med. Ass., v. 169 (9), 975-979  
Odocoileus hemionus (retropharyngeal pouches): South Dakota
- Cephenemyia stimulator*  
Kutzer, E., 1976, Wien. Tierarztl. Monatsschr., v. 63 (4), 126-129  
Pharyngomyia picta in Cervus elaphus, Cephenemyia stimulator in Capreolus capreolus, deer free-ranging in preserve, successful control of bots with Ranide in medicated feed: Österreich
- Cephenomyia trompe* L., illus.  
Rehbinder, C., 1977, Acta Vet. Scand., v. 18 (1), 75-85  
Cephenomyia trompe larvae (exper.) (conjunctival sac), conjunctivitis, keratitis only with natural ultraviolet radiation as enhancing factor
- Ceratiixodes putus*, illus.  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Ceratophyllidae*  
Beaucournu, J. C., 1976, Ann. Soc. Entom. France, n. s., v. 12 (2), 199-213  
Ceratophyllidae of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France
- Ceratophyllidae*  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis
- Ceratophyllidae* Dampf  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description
- Ceratophyllus* Curtis, 1832  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis



- Ceratophyllus* [sp.]  
Ozsán, K.; et al., 1974, *Mikrobiol. Bul.*,  
v. 8 (3), 267-269  
*Citellus*  
*Meriones*  
all from Turkey
- Ceratophyllus* sp., illus.  
Smit, F. G. A. M., 1974, *Senckenbergiana*  
*Biol.*, v. 55 (4-6), 357-398  
*Apodemus gorkha*: Nepal
- Ceratophyllus araucanus* Jordan & Rothschild,  
1920  
Smit, F. G. A. M., 1976, *Entom. Ber.*, Amster-  
dam, v. 36 (5), 65-67  
as syn. of *Dasypsyllus* (*Neornipsyllus*) *arau-*  
*canus*
- Ceratophyllus* (C.) *avicitelli* Ioff  
Letov, G. S.; and Letova, G. I., 1973, *Zool.*  
*Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ceratophyllus* (*Ceratophyllus*) *borealis* Rotsh.  
Letov, G. S.; and Letova, G. I., 1973, *Zool.*  
*Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ceratophyllus* (*Megabothris*) *calcarifer* Wagn.  
Letov, G. S.; and Letova, G. I., 1973, *Zool.*  
*Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ceratophyllus caspius*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, *Biol. Zhurnal Armenii*, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus nivalis*  
+*Arvicola terrestris* (nest)  
all from Armenia
- Ceratophyllus caspius* Tifl.  
Marapulets, L. A.; and Cherchenko, I. I., 1970,  
*Parazitologiya*, Leningrad, v. 4 (3), 271-273  
feeding activity on man of 6 spp. of fleas  
from the common vole, evaluation of probable  
importance in plague epidemiology
- Ceratophyllus columbae*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976,  
*Ann. Parasitol.*, v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores  
with brief notes on biology and chorology  
*Vulpes vulpes*  
*Martes foina*  
all from Nord-Est de la France
- Ceratophyllus columbae* (Gervais)  
Roman, E.; and Pichot, J., 1976, *Bull. Mens.*  
*Soc. Linn. Lyon*, v. 45 (9), 294-296  
+*Columbia livia domestica* (nest): Lyon
- Ceratophyllus consimilis*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, *Biol. Zhurnal Armenii*, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*M. nivalis*  
*Arvicola terrestris*  
all from Armenia
- Ceratophyllus consimilis* Wagn.  
Marapulets, L. A.; and Cherchenko, I. I., 1970,  
*Parazitologiya*, Leningrad, v. 4 (3), 271-273  
feeding activity on man of 6 spp. of fleas  
from the common vole, evaluation of probable  
importance in plague epidemiology
- Ceratophyllus cteniopus* Jordan & Rothschild,  
1920  
Smit, F. G. A. M., 1976, *Entom. Ber.*, Amster-  
dam, v. 36 (5), 65-67  
as syn. of *Dasypsyllus* (*Neornipsyllus*) *cteni-*  
*opus*
- Ceratophyllus f. farreni*  
Roberts, C. J., 1975, *Entom. Gaz.*, v. 26 (2),  
139-145  
+*Delichon urbica* (nest): Isle of Man
- Ceratophyllus fringillae*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976,  
*Ann. Parasitol.*, v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores  
with brief notes on biology and chorology  
*Vulpes vulpes*: Nord-Est de la France
- Ceratophyllus fringillae* (Walk.)  
Roman, E.; and Pichot, J., 1976, *Bull. Mens.*  
*Soc. Linn. Lyon*, v. 45 (9), 294-296  
+*Passer domesticus* (nest)  
+*Phoenicurus phoenicurus* (nest)  
all from Saint-Didier-au-Mont-d'Or (Rhône)
- Ceratophyllus* (*Callopsyllus*) *gaiskii* Vovchinskaja  
Letov, G. S.; and Letova, G. I., 1973, *Zool.*  
*Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ceratophyllus gallinae*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976,  
*Ann. Parasitol.*, v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores  
with brief notes on biology and chorology  
*Vulpes vulpes*: Nord-Est de la France
- Ceratophyllus gallinae*  
Borisova, V. I., 1975, *Biol. Nauk.*, Min.  
Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR  
(141), year 18, (9), 14-18  
nest ectoparasite specificity  
+*[Parus major]*  
+*[Muscicapa albicollis]*  
+*[Sturnus vulgaris]*  
+*[Phoenicurus phoenicurus]*  
+*[Motacilla alba]*  
+*[Passer montanus]*  
(nest of all)
- Ceratophyllus gallinae* (Schrank, 1803), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
*Austral. J. Zool.*, Suppl. s. (30), 1-273  
synonymy, diagnosis
- Ceratophyllus gallinae*  
Roberts, C. J., 1975, *Entom. Gaz.*, v. 26 (2),  
139-145  
+*Columbia livia domestica* (nest)  
+*Passer montanus* (nest)  
+*P. domesticus* (nest)  
+*Delichon urbica* (nest)  
*Turdus merula*  
*Prunella modularis*  
*Pyrrhocorax pyrrhocorax*  
all from Isle of Man

*Ceratophyllus gallinae* (Schrank)

Roman, E.; and Pichot, J., 1976, Bull. Mens. Soc. Linn. Lyon, v. 45 (9), 294-296  
 +*Passer domesticus* (nest): Saint-Didier-au-Mont-d'Or (Rhône)

*Ceratophyllus gallinae* Schrank

Shumilo, R. P.; and Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 208-214  
 Upupa epops: Chernovtzy oblast, Ukrainian SSR  
 Picus viridis: Chernovtzy oblast, Ukrainian SSR  
 P. canus: Moldavian SSR  
 Dendrocopos major: Moldavian SSR  
 Riparia riparia: Chernovtzy oblast, Ukrainian SSR  
 Garrulus glandarius: Moldavian SSR  
 Pica pica: Moldavian SSR  
 Corvus frugilegus: Chernovtzy oblast, Ukrainian SSR  
 Turdus merula: Moldavian SSR  
 Sturnus vulgaris: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
 Passer domesticus: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
 P. montanus: Moldavian SSR  
 Fringilla coelebs: Moldavian SSR

*Ceratophyllus gallinae*, illus.

Wolff, K., 1975, Praxis, Bern, v. 64 (37), 1173-1175  
*Ceratophyllus gallinae*, infestation of human homes in absence of natural hosts (chickens), clinical report, control measures: Zurich Canton, Switzerland

*Ceratophyllus gallinae* dilatus

Hidano, A.; and Asanuma, K., 1976, Arch. Dermat., Chicago, v. 112 (6), 882-883  
 bird mites from starling nest (*Sturnus cineraneus*) parasitizing human occupant of house to which nest attached, case report of resulting acariasis: Japan

*Ceratophyllus g. gallinae*

Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
 straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain

*Ceratophyllus gallinae* tribulis Jordan, illus.

Shumilo, R. P.; and Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 208-214  
 Riparia riparia: Chernovtzy oblast, Ukrainian SSR  
 Hirundo rustica: Moldavian SSR  
 Passer domesticus: Moldavian SSR

*Ceratophyllus garei* (Rothschild 1902)

Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
 ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus sylvaticus*  
*Microtus arvalis*  
*Mustela erminea*  
*M. nivalis*  
 all from Schleswig-Holstein

*Ceratophyllus garei* Rothschild, 1902

Bishop, C. A.; and Threlfall, W., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 25-35  
 +*Somateria mollissima* (nest): St. Peter's Island, Labrador

*Ceratophyllus garei*

Borisova, V. I., 1975, Biol. Nauk., Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR (141), year 18, (9), 14-18  
 nest ectoparasite specificity  
 +[*Motacilla alba*]  
 +[*Emberiza citrinella*]  
 (nest of all)

*Ceratophyllus garei*

Mehl, R., 1975, Fauna, Oslo, v. 28 (4), 208-214  
*Lagopus lagopus*: Norway

*Ceratophyllus garei*

Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
 +*Gallinula chloropus* (nest)  
*Turdus merula*  
*Corvus c. cornix*  
*Anthus pratensis*  
 all from Isle of Man

*Ceratophyllus garei* Rothschild, illus.

Shumilo, R. P.; and Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 208-214  
*Sturnus vulgaris*: Chernovtzy oblast, Ukrainian SSR

*Ceratophyllus hilli*. Rothschild, 1904

Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of *Pygiopsylla hilli* (Rothschild, 1904)

*Ceratophyllus hirundinis*

Borisova, V. I., 1975, Biol. Nauk., Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR (141), year 18, (9), 14-18  
 nest ectoparasite specificity  
 +[*Delichon urbica*] (nest)

*Ceratophyllus hirundinis*

Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
 +*Delichon urbica* (nest): Isle of Man

*Ceratophyllus hirundinis* (Curtis)

Shumilo, R. P.; and Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 208-214  
*Hirundo rustica*: Moldavian SSR  
*Delichon urbica*: Chernovtzy oblast, Ukrainian SSR  
*Phylloscopus sibilatrix*: Chernovtzy oblast, Ukrainian SSR

*Ceratophyllus iran*

Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
 fleas, seasonal and geographic distribution  
*Microtus socialis*: Armenia

- Ceratophyllus laeviceps* Wagn.  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transsural plague focus  
*Rhombomys opimus*  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian lowland
- Ceratophyllus laeviceps*  
Shiranovich, P. I.; et al., 1977, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (2), 89-95  
Siphonaptera of *Meriones erythrourus*, seasonal distribution, temperature and precipitation in relation to population dynamics of host, incidence of plague and its epizootiology: Transcaucasus
- Ceratophyllus* (C.) *laeviceps ellobii* Wagn.  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ceratophyllus* (*Rosickyana*) *lunatus* Jordan & Rothschild 1920  
Beaucournu, J. C., 1976, Ann. Soc. Entom. France, n. s., v. 12 (2), 199-213  
*Ceratophyllidae* of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France
- Ceratophyllus mokrzecky*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*Arvicola terrestris*  
all from Armenia
- Ceratophyllus mokrzecky* Wagn.  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transsural plague focus  
*Meriones tamariscinus*: northeastern part of Caspian lowland
- Ceratophyllus monstrosus vlasovi* Ioff  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Ceratophyllus ochi*. Rothschild, 1904  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Choristopsylla ochi* (Rothschild, 1904)
- Ceratophyllus* (*Amalaraeus*) *penicilliger* Grube  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ceratophyllus* (*Ceratophyllus*) *phrillinae* n. sp., illus.  
Smit, F. G. A. M., 1976, Senckenbergiana Biol., v. 57 (1-3), 63-66  
*Certhia familiaris*: forest above Dhumpa, 3000 m, Thakkhola, Mustang district, Nepal  
*Apodemus gorkha*: Dhorpatan, ± 3000 m, Myangdi district, Nepal
- Ceratophyllus* (*Megabothris*) *rectangulatus* Wahlgren  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ceratophyllus robinsoni* Rothschild 1905  
Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64, 1-24  
as syn. of *Stivalius robinsoni* (Rothschild 1905)
- Ceratophyllus rothschildi*. Rainbow, 1905  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Acanthopsylla rothschildi* rothschildi (Rainbow, 1905)
- Ceratophyllus rusticus*  
Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
+*Delichon urbica* (nest): Isle of Man
- Ceratophyllus saxatilis*  
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*Microtus nivalis*  
*Arvicola terrestris*  
all from Armenia
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+[*Riparia riparia*] (nest)
- Ceratophyllus s[tyx] jordani*  
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*Riparia riparia*: Isle of Man
- Ceratophyllus* (*Monopsyllus*) *tamias* Wagn.  
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- Ceratophyllus tesquorum* Wagn.  
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rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transsural plague focus  
*Citellus pygmaeus*  
*Rhombomys opimus*  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian lowland
- Ceratophyllus (Citellophilus) tesquorum altaicus* Ioff  
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*Citellus undulatus*: Tuva
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*Arvicola terrestris*: Armenia
- Ceratophyllus tristis* Rothschild, 1904  
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*Microtus socialis*: Armenia
- Ceratophyllus turkmenicus* Vlasov et Ioff  
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seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Ceratophyllus (C.) vagabundus* Boheman  
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*Citellus undulatus*: Tuva
- Ceratophyllus walkeri*  
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*Arvicola terrestris*: Armenia
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- Ceratophyllus zethi* Rothschild, 1904  
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- Ceratopsylla reductus* Rothschild, 1903 "(female wrongly ascribed to *reductus*)"  
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ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Vulpes vulpes*: Schleswig-Holstein
- Chaetopsylla globiceps*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, Ann. Parasitol., v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Vulpes vulpes*: Nord-Est de la France
- Chaetopsylla globiceps* (Taschenberg, 1880), illus.  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-257  
*Vulpes vulpes*: Norge
- Chaetopsylla (Chaetopsylla) homoeus* Roths.  
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Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
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- Chaetopsylla rothschildi*  
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*Felis silvestris*: Nord-Est de la France
- Chaetopsylla trichosa* Kohaut 1903  
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ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Vulpes vulpes*: Schleswig-Holstein
- Chaetopsylla trichosa*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, Ann. Parasitol., v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Vulpes vulpes*  
*Meles meles*  
all from Nord-Est de la France

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synoptic key to 87 genera of chiggers in the Western Hemisphere
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Peromyscus maniculatus  
Eutamias townsendi  
Clethrionomys occidentalis  
all from Oregon
- Chauliacia securigera* (Robin, 1877)  
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Actinopyga echinites: New Caledonia (eastern end of Ricaudy Reef, near Noumea; Rocher a la Voile, Noumea; north of Isle Maitre, near Noumea)  
A. obesa palauensis: New Caledonia (north of Isle Maitre)
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- Cheladonta ikaoensis*  
Kamimura, K.; et al., 1972, Eisei Dobutsu (Japan. J. San. Zool.), v. 23 (2), 83-87  
seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by Leptotrombidium pallidum  
Apodemus speciosus  
Microtus montebelli  
all from Yamada, Toyama Prefecture, northern Honshu
- Cheladonta ouachitensis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
Sorex cinereus  
S. fumeus  
S. palustris  
all from Fires Creek area, Nantahala Mountains, North Carolina
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lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: C. meleagridis (Linnaeus, 1758)
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Cremers, H. J. W. M.; Jansen, J.; and Swierstra, D., 1975, Tijdschr. Diergeneesk., v. 100 (22), 1209-1211  
Meleagris gallopavo: Netherlands
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Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
Meleagris gallopavo: Spain
- Chelopistes styliifer* (Nitzsch, 1818)  
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Rhombomys opimus: Turkmenistan

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comparison of ectoparasites from North America and Europe  
Passer domesticus: Stockton-on-Tees, England

## Cheyletidae gen. sp.

- Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
+Lagurus lagurus (nest): Karagandinsk oblast

## Cheyletiella sp.

- Ball, D. E., 1977, Austral. Vet. Practitioner, v. 7 (3-4), 181, 226  
Cheyletiella sp., dermatitis, rabbit, dogs, cats: Wollongong, N. S. W.

## Cheyletiella sp., illus.

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Cheyletiella sp. resembling Cheyletiella blakei infections found in domestic cats (on skin or in feces) from a commercial supplier, no clinical signs, successful treatment with Kemic Flea and Tick Powder and dichlorvos-impregnated strip in room

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cat (skin), case report: Montreal, Canada

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Cheyletiella sp. resembling Cheyletiella blakei infections found in domestic cats (on skin or in feces) from a commercial supplier, no clinical signs, successful treatment with Kemic Flea and Tick Powder and dichlorvos-impregnated strip in room

## Cheyletiella parasitivorax Megnin, 1878, illus.

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Cheyletiella parasitivorax, pathology in dog, case report, hexachlorocyclohexane as effective treatment, first report in Spain

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conejo angora (piel del lomo y los flancos): Santiago, Chile

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Cheyletiella parasitivorax, cause of itching skin eruption in persons in close contact with infested animals, case report, clinical aspects, treatment with derris: Norway

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- Beresford-Jones, W. P., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 383-390  
Ctenocephalides felis felis, C. canis, Cheyletiella spp., incidence on dogs and cats, human skin sensitivity to bites: England

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mange, New Zealand white rabbits, research animal colony: United States

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- Cloyd, G. G.; and Moorhead, D. P., 1976, Lab. Animal Sc., v. 26 (5), 801-803  
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## Cheyletiella parasitivorax, illus.

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Cheyletiella parasitivorax, Listrophorus gibbus, domestic rabbits, prevalence: commercial rabbitries, Iowa

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- Kutzer, E.; and Frey, H., 1976, Berl. u. Munchn. Tierarztl. Wchnschr., v. 89 (24), 480-483  
Lepus europaeus: Austria

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## Cheyletiella parasitivorax, illus.

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Cheyletiella spp., dermatitis in humans after contact with pet cats, clinical case reports: Basel, Switzerland

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- du Plessis, R. S., 1972, J. South African Vet. Ass., v. 43 (3), 305-308  
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*Ctenocephalides felis felis*, *C. canis*, *Cheyletiella* spp., incidence on dogs and cats, human skin sensitivity to bites: England
- Cheyletiella yasguri*  
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*Cheyletiella* spp., dermatitis in humans after contact with pet cats, clinical case reports: Basel, Switzerland
- Cheyletus* [sp.] nr. *cacahuampilpensis* Baker  
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winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*: Harmon County, southwestern Oklahoma
- Cheyletus* sp.  
Sandhu, P. S.; and Kapoor, V. C., 1977, Entom. News, v. 88 (5-6), 151-152  
*Tatera indica*: Punjab, India
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key to subfamilies, and to 87 genera in Western Hemisphere
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Shirai, A.; and Wisseman, C. L., jr., 1975, Am. J. Trop. Med. and Hyg., v. 24 (1), 145-153  
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- Chimaeropsyllidae Cunha, 1914  
Lewis, R. E., 1974, J. Med. Entom., v. 11 (5), 525-540  
Ancistropsyllidae, Chimaeropsyllidae, Ischnopsyllidae, Leptopsyllidae, and Macropsyllidae, geographic distribution and host preferences, list of genera and species
- Chirodiscinae  
Domrow, R., 1970, Acarologia, v. 12 (2), 415-420  
Syn.: Atopomelinae
- Chirodiscoides caviae  
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
Meerschweinchen
- Chirodiscus amplexans* Trouessart & Neumann, illus.  
Domrow, R., 1970, Acarologia, v. 12 (2), 415-420  
redescription, "The host was said to have been *Podargus strigoides* (Latham), an Australian bird, but this is highly unlikely, as Trouessart himself later realised ... The species is, in all respects, a listrophorid, an almost cosmopolitan group restricted to mammals, particularly rodents of the Old World and Australia."
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discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Chirotonyssus* sp. near *venezolanus*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Tadarida macrotis*: Big Bend National Park, Texas
- Chirotonyssus haematophagus*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Tadarida femorosacca*  
*Eumops perotis*  
all from Big Bend National Park, Texas
- Chirotonyssus robustipes* (Ewing)  
Dooley, T. J.; Bristol, J. R.; and Canaris, A. G., 1976, J. Mamm., v. 57 (1), 189-191  
*Myotis californicus californicus*  
*Tadarida brasiliensis mexicana*  
all from southwestern United States
- Chirotonyssus robustipes*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Mormoops megalophylla*  
*Tadarida brasiliensis*  
*T. macrotis*  
all from Big Bend National Park, Texas
- Chirotonyssus venezolanus*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Tadarida femorosacca*: Big Bend National Park, Texas
- Chondracanthus alatus* Heller, 1865, illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
description, syn.: *Pseudochondracanthus psettodes* Kirtisinghe, 1950  
*Psettodes erumei* (gills): Trivandrum, South India
- Chondracanthus trilobatus* n. sp., illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
*Psettodes erumei* (gills): Trivandrum, South India
- Chonopeltis australis* sp. nov., illus.  
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*Labeo capensis*  
*Labeo rosae*  
(body surface of all): all from the Orange river system, southern Africa
- Chorioptes  
Gothe, R., 1976, Berl. u. Munchen. Tierarztl. Wchnschr., v. 89 (15), 293-296  
Chorioptes, cattle, Ektomin spray, good results, number of treatments correlated with intensity of infection; potentially useful against resistant mites
- Chorioptes bovis*  
Frick, W., 1977, Monatsh. Vet.-Med., v. 32 (8), 291-294  
different concentrations of dichlorvos, cattle

- Chorioptes bovis*  
Rhodes, A. P., 1976, Austral. Vet. J., v. 52 (6), 250-257  
rams, extensive scrotal mange, effect on reproductive function
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Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 99-102  
*Ovis aries*: Chile
- Chorioptes communis* var. *ovis*  
Coring, J., 1975, Deutsche Tierarztl. Wchnschr., v. 82 (12), 491-492  
ovine scabies, brief review of clinical aspects, diagnosis
- Choristopsylla* Jordan and Rothschild, 1922  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, key, key to Australian species
- Choristopsylla leptophallus* sp. n., illus.  
Mardon, D. K., 1977, J. Austral. Entom. Soc., v. 16 (2), 155-157  
*Trichosurus vulpecula*: 10 ml (16 km) W of Grevillia, New South Wales  
*Schoinobates volans*: Blackbutt, Queensland; Dinner Creek, Ravenshoe, Queensland
- Choristopsylla ochi* (Rothschild, 1904), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *Ceratophyllus ochi*. Rothschild, 1904  
*Trichosurus vulpecula*: Australian Capital Territory; New South Wales; Queensland; South Australia; Tasmania; Victoria; Western Australia  
*T. v. johnstoni*: Queensland  
*T. v. fuliginosa*: Tasmania  
*Pseudocheirus lanuginosus*: Australian Capital Territory  
*P. cooki*: Tasmania  
*P. peregrinus*: Victoria  
*P. p. lanuginosus*: Victoria  
*Schoinobates volans*: Queensland  
*Petauroides = Schoinobates volans*: Queensland  
*Acrobates pygmaeus*: New South Wales  
*Isoodon obesulus*: Victoria  
*Rattus rattus*: Victoria
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Mardon, D. K., 1977, J. Austral. Entom. Soc., v. 16 (2), 155-157
- Choristopsylla thomasi* (Rothschild, 1904), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *Ceratophyllus thomasi*. Rothschild, 1904  
*Acrobates pygmaeus*  
*Rattus fuscipes assimilis*  
all from Victoria
- Choristopsylla tristis* (Rothschild, 1900), illus.  
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*P. norfolcensis*: New South Wales; Victoria  
*P. australis*: Victoria  
*Petaurus* sp.: New South Wales  
*Gymnobelideus leadbeateri*: Victoria  
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camel (eye)  
Ceylonese hog deer (foot wound)  
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- Cochliomyia hominivorax*  
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 habitats  
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*Clethrionomys occidentalis*  
*Sorex pacificus* or *S. vagrans yaquinae*  
*S. trowbridgii*  
*Microtus montanus*  
*Sorex vagrans*  
 all from Oregon
- Comatacarus americanus* (Ewing, 1942), illus.  
 Reed, J. T., 1973, *J. Med. Entom.*, v. 10 (3),  
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 key
- Comatacarus dolosus* [n. comb.], illus.  
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 key  
 Syn.: *Leeuwenhoekia* (Comatacarus) *dolosa*  
 Gould, 1956
- Comatacarus inconspicuus* n. sp., illus.  
 Reed, J. T., 1973, *J. Med. Entom.*, v. 10 (3),  
 315-317  
 key  
*Peromyscus maniculatus* (pinnae): mouth of  
 Provo Canyon, base of Squaw Peak, and Pleas-  
 ant Grove, Utah Co., Utah



- Comatacarus stewarti* [n. comb.], illus.  
Reed, J. T., 1973, J. Med. Entom., v. 10 (3), 315-317  
key  
Syn.: *Leeuwenhoekia* (*Comatacarus*) *stewarti*  
Gould, 1956
- Conchyliurus bhimilensis* n. sp.  
Devi, S. L.; and Bhavanarayana, P. V., 1976, Current Sc., Bangalore, v. 45 (18), 675-676  
Meretrix casta (mantle cavity): off  
Bhimunipatnam
- Conchyliurus mactrae* sp. n., illus.  
Avdeev, G. V., 1977, Biol. Moria, Vladivostok (2), 34-45  
Mactra chinensis (mantle cavity): Possiet Bay (Sea of Japan)
- Congocoptes brasiliensis* nov. spec., illus.  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338 [For Erratum see Acarologia, v. 12 (3), Jan., 1971, p. opposite Sommaire]  
Celeus undatus (fosses nasales): APEG Forest (Station A), Belem, Bresil
- Conorhinopsylla stanfordi* Stewart  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
Sciurus niger: Adams Co., Wisconsin
- Conothobius Ioff*, 1950  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
as syn. of *Ctenophyllus* Wagner, 1927
- Conothobius Ioff*, 1950  
Smit, F. G. A. M., 1975, Senckenbergiana Biol., v. 56 (4-6), 247-256  
key
- Coorilla Dunnet and Mardon*, 1973  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Coorilla longictena* Dunnet and Mardon, 1973, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
*Tadarida norfolkensis*  
*Nyctonomis*  
*Nyctemeris*  
all from New South Wales
- Copepod[a]*  
Charnov, E. L.; and Bull, J., 1977, Nature, London (5605), v. 266, 828-830  
environmental sex determination, hypothesis with mention of Mermithidae and parasitic copepods as examples
- Copepoda*  
Rohde, K., 1976, Ztschr. Parasitenk., v. 50 (1), 93-94  
species diversity of fish parasites in coral reef habitats, higher numbers of species of Monogenea per species of fish than in higher latitudes, theoretical discussion: Capricorn group of reefs, Great Barrier Reef
- Coptopsylla bairamaliensis* Wagn.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Coptopsylla olgae* Arg.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Coraciacarus cuculi* (Megnin et Trouessart, 1884)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Cuculus canorus*: Moldavian SSR
- Coraciacarus meropsi* Dubinin, 1956  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Merops apiaster*: Moldavian SSR
- Cordiseta Hoffmann* 1954  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Cordylobia anthropophaga*  
Dipeolu, O. O.; and Olufarati, B., 1975, Tr. Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 164-165 [Letter]  
*Cordylobia anthropophaga* larvae causing myiasis in man's shoulder joint, clinical case report, dogs with larval infestations as possible infection reservoir in that they spread flies to human habitations: Ibadan, Nigeria
- Cordylobia anthropophaga*  
Hira, P. R., 1976, Tropenmed. u. Parasitol., v. 27 (1), 30-32  
case reports of dermal and subdermal myiasis caused by *Cordylobia anthropophaga*, humans, diagnostic discussion: Zambia
- Cordylobia anthropophaga* (larvae)  
Idowu, L.; and Olotu, O., 1976, Tr. Roy. Soc. Trop. Med. and Hyg., v. 70 (3), 262  
*Cordylobia anthropophaga*, furuncular myiasis affecting a dog and its owners, case report, public health importance of proper disposal of dog excreta: Apapa, Nigeria
- Cordylobia anthropophaga*  
Laurence, B. R.; and Herman, F. G., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (6), 888 [Letter]  
woman (buttock): England, probably acquired on holiday to Spain, no travel to Africa
- Cordylobia anthropophaga*, illus.  
Sundhaussen, G.; Denk, R.; and Korting, G. W., 1972, Med. Welt, v. 23 (3), 75-76  
*Cordylobia anthropophaga* causing furuncle-like myiasis, Dutch student who had traveled in Camerouns, case report: Germany
- Cordylobia anthropophaga*, illus.  
Tio (Tiong Ho), 1975, Nederl. Tijdschr. Geneesk., v. 119 (4), 137-140  
myiasis of scalp in woman after return from Ghana, case history, clinical review: Netherlands
- Cordylobia anthropophaga* Blanchard, 1893, illus.  
Toure, S. M., 1976, Rev. Elevage et Med. Vet. Pays Trop., v. 29 (3), 217-219  
sheep, skin-boil myiasis: Dakar, Senegal

- Coronapsylla*, gen. nov.  
Traub, R.; and Dunnet, G. M., 1973, Austral. J. Zool., Suppl. s. (20), 41-128  
Stephanocircinae, tod: *C. jarvisi* (Rothschild, 1908), comb. nov.
- Coronapsylla* Traub and Dunnet, 1973  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Coronapsylla jarvisi* (Rothschild, 1908), comb. nov., illus. (tod)  
Traub, R.; and Dunnet, G. M., 1973, Austral. J. Zool., Suppl. s. (20), 41-128  
diagnosis, redefinition, syn.: *Stephanocircus jarvisi* Rothschild, 1908  
*Antechinus stuartii*  
*A. flavipes*  
*A. swainsonii*(?)  
all from Victoria
- Coronapsylla jarvisi* (Rothschild)  
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Coronapsylla jarvisi* (Rothschild, 1908), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, syn.: *Stephanocircus jarvisi*. Rothschild, 1908  
*Antechinus flavipes*: New South Wales; Victoria  
*A. stuartii*: Australian Capital Territory; Victoria  
*A. swainsonii*: New South Wales  
*Phascogale swainsonii*: Victoria
- Corrodopsylla curvata*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex cinereus*  
*S. fumeus*  
*S. palustris*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Corrodopsylla curvata curvata* (Rothschild)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Sorex vagrans*  
*S. palustris*  
*Microtus montanus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Cosmiomma hippopotamensis* Denny, 1843  
Bezuidenhout, J. D.; and Schneider, H. P., 1972, J. South African Vet. Ass., v. 43 (3), 301-304  
*Cosmiomma hippopotamensis*, ecology and host specificity  
vegetation: Kaokoland, South West Africa  
*Diceros bicornis* (exper.)
- Cosmolaelaps diversichaetatus*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Myomys daltoni*  
*Mastomys* sp.  
*Lemniscomys striatus*  
*Arvicanthis niloticus*  
*Dasyomys innotatus*  
*Lophuromys sikapusi*  
*Uranomys foxi*  
*Tatera kempii*  
*Crocidura manni*  
all from Ibadan Area, Western Nigeria
- Cosmolaelaps gurabensis* Fox.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
+*Lagurus lagurus* (nest): Karagandinsk oblast
- Cosmolaelaps gurabensis*, Fox, 1946  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hypoaspis miles* (Berlese, 1892)
- Cracimenopon* Carriker, 1954  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
subgen. of *Amyrsidea*  
key
- Craspedonirmus atricolor* (Kellogg 1896), illus.  
Nelson, B. C., 1972, J. Med. Entom., v. 9 (6), 505-508  
*Craspedonirmus atricolor*, resurrection, re-description, differentiation from *C. colymbinus* and *C. immer*  
*Brachyramphus marmoratus*: Bay of Monterey, Pacific Grove, California; Departure Bay, British Columbia; Vancouver Is., Alaska; Kuril Is., USSR  
*B. brevirostre*: Amchitka, Aleutian Islands, Alaska  
*Synthliboramphus antiquum*: Monterey Bay, California
- Craspedonirmus colymbinus* (Denny)  
Nelson, B. C., 1972, J. Med. Entom., v. 9 (6), 505-508  
*Craspedonirmus atricolor*, resurrection, re-description, differentiation from *C. colymbinus* and *C. immer*  
*Fulica americana*  
*Urinator pacificus* (now *Gavia arctica pacifica*): Pacific Grove, California
- Craspedonirmus immer* Emerson, illus.  
Nelson, B. C., 1972, J. Med. Entom., v. 9 (6), 505-508  
*Craspedonirmus atricolor*, resurrection, re-description, differentiation from *C. colymbinus* and *C. immer*  
*Gavia immer*: California; Boston, Massachusetts
- Craspedorrhynchus*  
Eichler, W.; and Zlotorzyska, J., 1975, Ang. Parasitol., v. 16 (3), 153-161  
Phlopteridae, Strigiphilinae, generic diagnosis redefined, species group "Craspedorrhynchus species of Aquilini" defined for first time, phylogenetic scheme, differential diagnosis of *C. fraterculus* n. sp., *C. aquilinus*, *C. naevius*, *C. macrocephalus*

- Craspedorrhynchus americanus* Emerson, illus.  
Slifer, E. H., 1976, J. N. York Entom. Soc.,  
v. 84 (3), 159-165  
*Craspedorrhynchus americanus*, morphology,  
sense organs on antennal flagellum  
*Buteo jamaicensis*
- Craspedorrhynchus aquilinus*, illus.  
Eichler, W.; and Zlotorzyska, J., 1975, Ang.  
Parasitol., v. 16 (3), 153-161  
Philopteridae, Strigiphilinae, generic diag-  
nosis redefined, species group "*Craspedor-  
rhynchus* species of *Aquilini*" defined for  
first time, phylogenic scheme, differential  
diagnosis of *C. fraterculus* n. sp., *C. aquil-  
inus*, *C. naevius*, *C. macrocephalus*
- Craspedorrhynchus fraterculus* n. sp., illus.  
Eichler, W.; and Zlotorzyska, J., 1975, Ang.  
Parasitol., v. 16 (3), 153-161  
Philopteridae, Strigiphilinae, generic diag-  
nosis redefined, species group "*Craspedor-  
rhynchus* species of *Aquilini*" defined for  
first time, phylogenic scheme, differential  
diagnosis of *C. fraterculus* n. sp., *C. aquil-  
inus*, *C. naevius*, *C. macrocephalus*  
*Aquila heliaca heliaca*
- Craspedorrhynchus macrocephalus*, illus.  
Eichler, W.; and Zlotorzyska, J., 1975, Ang.  
Parasitol., v. 16 (3), 153-161  
Philopteridae, Strigiphilinae, generic diag-  
nosis redefined, species group "*Craspedor-  
rhynchus* species of *Aquilini*" defined for  
first time, phylogenic scheme, differential  
diagnosis of *C. fraterculus* n. sp., *C. aquil-  
inus*, *C. naevius*, *C. macrocephalus*
- Craspedorrhynchus naevius*, illus.  
Eichler, W.; and Zlotorzyska, J., 1975, Ang.  
Parasitol., v. 16 (3), 153-161  
Philopteridae, Strigiphilinae, generic diag-  
nosis redefined, species group "*Craspedor-  
rhynchus* species of *Aquilini*" defined for  
first time, phylogenic scheme, differential  
diagnosis of *C. fraterculus* n. sp., *C. aquil-  
inus*, *C. naevius*, *C. macrocephalus*
- Craspedorrhynchus spathulatus* Gb., 1874  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek.  
Biol. Zhurnal (5), 54-56  
[*Aquila rapax*]: Kashka-Darya oblast
- Crataerina* (*Stenepteryx*) *hirundinis*  
Cheke, R. A.; Hassall, M.; and Peirce, M. A.,  
1976, J. Wildlife Dis., v. 12 (2), 133-138  
*Delichon urbica*: Bramley, Hampshire, England
- Crivellia silenensis shugnanica* Grunin, subsp. n.,  
illus.  
Grunin, K. I.; and Davliatkadamov, S. K.,  
1975, Entom. Obozr., v. 54 (1), 186-190  
Ovis ammon: Murgab region, Gorno-Badakhshan  
autonomous oblast, Tadzhiksk SSR
- Crivellia silenensis silenensis* (Brauer, 1858), illus.  
Grunin, K. I.; and Davliatkadamov, S. K.,  
1975, Entom. Obozr., v. 54 (1), 186-190  
brief description
- Crocidurobia Jameson*, 1970  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
key
- Crocidurobia diplomesodon* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
caines, v. 87 (3), 614-621  
*Diplomesodon pulchellum*: Steppe Ural-Volga
- Crocidurobia diplomesodon* Fain, 1973, illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
description  
*Diplomesodon pulchellum*: Sassyk Tan, Central  
Steppe, Volga Oural
- Crocidurobia notata* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
caines, v. 87 (3), 614-621  
*Glirulus japonicus*: Japon
- Crotiscus* Ewing 1944  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Crotonasis* Brennan and Yunker 1966  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Crypticula* Webb & Loomis 1970  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Cryptonyssus* n. sp.  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
*Euderma maculatum*: Big Bend National Park,  
Texas
- Cryptonyssus desultorius* Radovsky  
Poche, R. M.; and Keirans, J. E., 1975, J.  
Med. Entom., v. 12 (5), 503  
*Euderma maculatum*: Fort Pierce Wash, SE of  
St. George, Washington County, Utah
- Cryptonyssus desultorius* Radovsky  
Radovsky, F. J.; and Poche, R. M., 1975, J.  
Med. Entom., v. 12 (3), 394  
*Euderma maculatum*: Fort Pierce, Washington,  
approx. 13 km SE of St. George, Washing-  
ton Co., Utah
- Cryptonyssus desultorius*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
*Myotis yumanensis*: Big Bend National Park,  
Texas
- Cryptopontius gracilis*, new species, illus.  
Wilson, C. B., 1932, Proc. U. S. National  
Mus. (2915), v. 80, pp. 1-54  
Chesapeake Bay
- Ctenocephalides* Stiles and Collins, 1930  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, key to Australian species,  
diagnosis
- Ctenocephalides* Stiles and Collins  
Sanford, L. G.; and Hays, K. L., 1974, Bull.  
(458) Alabama Agric. Exper. Station, 3-42  
brief description, key, key to known Ala-  
bama species



- Ctenocephalides canis* (Curtis)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Canis familiaris*: Racine-Kenosha Co., Wisconsin
- Ctenocephalides canis*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, Ann. Parasitol., v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Vulpes vulpes*  
*Martes foina*  
all from Nord-Est de la France
- Ctenocephalides canis* (Curtis, 1826), illus.  
Beresford-Jones, W. P., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 383-390  
*Ctenocephalides felis felis*, *C. canis*, *Cheyletiella* spp., incidence on dogs and cats, human skin sensitivity to bites: England
- Ctenocephalides canis* (Curtis) 1828  
Cyprich, D.; and Kiefer, M., 1975, Biologia, Bratislava, s. B, Zool. (3), v. 30 (8), 599-604  
+*Cricetus cricetus* (nest): Vychodoslovenskej nizine
- Ctenocephalides canis* (Curtis, 1826), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *Pulex canis* Curtis, 1826  
*Felis catus*: Queensland  
*Panthera pardus*: New South Wales (Sydney Zoo)  
*Vulpes vulpes*: Australian Capital Territory; New South Wales; Queensland; Tasmania; Victoria  
fox: Australian Capital Territory; New South Wales  
*Canis familiaris*: Australian Capital Territory; Victoria; Queensland; New South Wales  
*Canis* sp.: New South Wales
- Ctenocephalides canis*  
Haarlov, N.; and Kristensen, S., 1976, Medlemsbl. Danske Dyrlaegeforen., v. 59 (12), 517-520  
hunde  
katte  
all from Denmark
- Ctenocephalides canis*  
Horak, I. G., 1976, J. South African Vet. Med. Ass., v. 47 (1), 17-18  
*Rhipicephalus sanguineus*, *Heterodoxus* sp., *Ctenocephalides canis*, dogs, Sendran-impregnated collar, good results
- Ctenocephalides canis*  
Nicolet, G., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 150-151  
*Dipylidium caninum* in young child possibly resulting from ingestion of infected dog fleas (*Ctenocephalides canis*), niclosamide treatment successful, case report: Sewell, Chile
- Ctenocephalides canis*  
Patyk, S.; and Kliszewski, W., 1976, Med. Wet., v. 32 (8), 471-473  
ectoparasites, domestic animals, control with enolophosphates IPO-62 and IPO-63
- Ctenocephalides canis* (Curtis), illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key  
*Didelphis virginiana*  
*Mephitis mephitis*  
*Canis familiaris*  
*Felis domestica*  
*Sylvilagus floridanus*  
all from Alabama
- Ctenocephalides canis* (Curtis)  
Shepherd, R. C. H.; et al., 1977, J. Austral. Entom., v. 16 (1), 1-5  
*Lepus europaeus*: Point Cook, central Victoria
- Ctenocephalides canis* (Curtis)  
Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Entom. Mag., v. 3 (4), 63-66  
*Oryctolagus cuniculus*: Victoria
- Ctenocephalides felis* (Bouche)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Felis catus*: Racine City, Wisconsin  
*Procyon lotor*: Kenosha Co., Wisconsin  
*Canis familiaris*: Racine-Kenosha Co., Wisconsin
- Ctenocephalides felis*  
Baker, N. F.; and Miller, J. E., 1977, Am. J. Vet. Research, v. 38 (8), 1187-1190  
*Ctenocephalides felis*, cats and dogs (both exper.), immediate and residual efficiency of temephos-containing flea collars, 100% effective during first 2 weeks only, 80% effective for at least 9 months
- Ctenocephalides felis*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Didelphis marsupialis*: Fort Ord, California
- Ctenocephalides felis* (Bouche)  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Ctenocephalides f. felis* (Bouche, 1835)
- Ctenocephalides felis*  
Haarlov, N.; and Kristensen, S., 1976, Medlemsbl. Danske Dyrlaegeforen., v. 59 (12), 517-520  
hunde  
katte  
all from Denmark
- Ctenocephalides felis*  
Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 21-27  
Igel
- Ctenocephalides felis*  
Miller, J. E.; Baker, N. F.; and Colburn, E. L., jr., 1977, Am. J. Vet. Research, v. 38 (7), 923-925  
*Ctenocephalides felis*, dogs, propoxur- and carbaryl-impregnated flea collars, good control

- Ctenocephalides felis* (Bouche), *illus.*  
 Rehacek, J.; and Fischer, R. G., 1971, *J. Med. Entom.*, v. 8 (1), 66-67  
*Ctenocephalides felis* larvae, primary tissue cultures
- Ctenocephalides felis*  
 Rehacek, J.; Fischer, R. G.; and Luecke, D. H., 1973, *Neoplasma*, v. 20 (2), 147-158  
*Ctenocephalides felis* unlikely vector of Friend leukemia virus
- Ctenocephalides felis* (Bouche), *illus.*  
 Sanford, L. G.; and Hays, K. L., 1974, *Bull. (458) Alabama Agric. Exper. Station*, 3-42  
 description, key  
*Didelphis virginiana*  
*Procyon lotor*  
*Mephitis mephitis*  
*Canis familiaris*  
*Vulpes fulva*  
*Urocyon cinereoargenteus*  
*Felis domestica*  
*Lynx rufus*  
*Sciurus carolinensis*  
*Sylvilagus floridanus*  
 all from Alabama
- Ctenocephalides f. felis*  
 Aubert, M. F. A.; and Beaucournu, J. C., 1976, *Ann. Parasitol.*, v. 51 (1), 143-156  
 survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Vulpes vulpes*  
*Felis silvestris*  
*Meles meles*  
*Martes foina*  
 all from Nord-Est de la France
- Ctenocephalides felis felis* (Bouche, 1833), *illus. illus.*  
 Beresford-Jones, W. P., 1974, *Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973)*, 383-390  
*Ctenocephalides felis felis*, *C. canis*, *Cheyletiella* spp., incidence on dogs and cats, human skin sensitivity to bites: England
- Ctenocephalides felis felis* (Bouche, 1835)  
 Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
 synonymy, key, diagnosis  
*Trichosurus vulpecula*: Victoria  
*Thylacis obesulus*: Queensland  
 bandicoot: Queensland  
*Rattus norvegicus*: Queensland  
*Hydromys chrysogaster*: Queensland  
 Mus: Port Hackney (=Port Hacking?)  
*Orctolagus cuniculus*: Australian Capital Territory; New South Wales; Victoria  
*Lepus europeus*: New South Wales  
*Felis catus*: Australian Capital Territory; New South Wales; Queensland; Victoria  
 civet cat: New South Wales (Sydney Zoo)  
 ocelot: " " " " "  
*Vulpes vulpes*: Australian Capital Territory  
 fox: New South Wales  
*Canis familiaris*: Australian Capital Territory; New South Wales; Queensland; Victoria  
 Homo sapiens: Australian Capital Territory; Victoria; New South Wales
- Ctenocephalides felis felis*  
 Hinaidy, H. K., 1976, *Zentralbl. Vet.-Med.*, Reihe B, v. 23 (1), 66-73  
*Vulpes vulpes*: Österreich
- Ctenocephalides f. felis*  
 Kutzer, E.; and Frey, H., 1976, *Berl. u. Münch. Tierärztl. Wchnschr.*, v. 89 (24), 480-483  
*Lepus europaeus*: Austria
- Ctenocephalides felis felis* (Bouche, 1835)  
 Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
 arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
 dog: New Hebrides
- Ctenocephalides felis felis*  
 Rajasekharaiah, G. R.; et al., 1976, *Indian J. Entom.*, v. 36 (3), 1974, 230-231  
*Macaca radiata*
- C[tenocephalides] f. felis*  
 Roberts, C. J., 1975, *Entom. Gaz.*, v. 26 (2), 139-145  
*Felis catus*: Isle of Man
- Ctenocephalides f. felis*  
 Vaughan, J. A., 1977, *Entom. Month. Mag.* (1340-1343), v. 112, 1976, 45-48  
 straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain
- Ctenocephalides felis orientis* Jordan  
 Singh, A.; and Chhabra, R. C., 1974, *Indian J. Animal Sc.*, v. 43 (5), 1973, 393-397  
 seasonal distribution  
*Canis familiaris* (body): Hissar and suburbs, India
- Ctenocephalides felis orientis* Jordan 1925  
 Traub, R., 1951, *Proc. Biol. Soc. Wash.*, v. 64, 1-24  
*Sciurus*  
*Paradoxurus*  
 domestic cat  
*Mydans*  
*Lutra cinerea*  
*Felis bengalensis minuta*  
 all from Philippine Islands
- Ctenocephalides felis strongylus* (Jordan, 1925)  
 Smit, F. G. A. M., 1975, *Rev. Zool. Africaine*, v. 89 (1), 191-210  
*Lepus crawshayi*: Cherangani Hills, Kenya
- Ctenocephalides rosmarus*  
 Ashford, R. W.; et al., 1973, *Tr. Roy. Soc. Trop. Med. and Hyg.*, v. 67 (4), 568-601  
*Heterohyrax brucei*  
*Procavia habessinica*  
 all from Kutaber area, Ethiopia
- Ctenocephalus felis* Bouche  
 Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
 as syn. of *Ctenocephalides f. felis* (Bouche, 1835)
- Ctenophthalmus Kolenati*  
 Sanford, L. G.; and Hays, K. L., 1974, *Bull. (458) Alabama Agric. Exper. Station*, 3-42  
 brief description, key
- Ctenophthalmus n. sp. A*  
 Ashford, R. W.; et al., 1973, *Tr. Roy. Soc. Trop. Med. and Hyg.*, v. 67 (4), 568-601  
*Praomys albipes*  
*Pelomys harringtoni*  
 all from Kutaber area, Ethiopia

- Ctenophthalmus* n. sp. B  
Ashford, R. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 568-601  
P<sub>raomys</sub> albipes: Kutaber area, Ethiopia
- Ctenophthalmus* (C.) sp. (? *apertus meylani*), illus.  
Beaucournu, J. C.; Gilot, B.; and Vericad, J. R., 1973, Rev. Iber. Parasitol., v. 33 (1), 127-134  
female only  
Pitymys duodecimcostatus: Sierra Nevada, Granada, Espana
- Ctenophthalmus* acuminatus  
Avetisian, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
Microtus nivalis  
+M. socialis (nest)  
all from Armenia
- Ctenophthalmus* agyrtes (Heller 1896)  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
Apodemus flavicollis  
A. sylvaticus  
Clethrionomys glareolus  
Microtus arvalis  
M. agrestis  
Talpa europaea  
Sorex araneus  
Mustela erminea  
M. nivalis  
M. putorius  
Vulpes vulpes  
all from Schleswig-Holstein
- Ctenophthalmus* agyrtes (Heller) 1896  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
Arvicola terrestris: Slovakia
- Ctenophthalmus* agyrtes (Heller 1896)  
Czerwinska, A., 1977, Ecol. Polska, v. 25 (3), 551-559  
fleas of Microtus arvalis, effects of mowing and plowing on parasite and host populations: Lomna, near Warsaw
- Ctenophthalmus* agyrtes (Hell.)  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
Clethrionomys glareolus  
Apodemus tauricus  
A. agrarius  
A. sylvaticus  
Microtus agrestis  
M. arvalis  
Pitymys subterraneus  
Mus musculus  
Sorex araneus  
Neomys fodiens  
all from Gory Sowie
- Xenophthalmus* [i.e., *Ctenophthalmus*] agyrtes  
Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 21-27  
Igel
- Ctenophthalmus* agyrtes (Heller 1896)  
Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 245-252  
Rhinolophus ferrum equinum: Spain
- Ctenophthalmus* agyrtes agyrtes (Heller)  
Hallas, T. E.; and Bang, P., 1976, Flora og Fauna, Kobenhavn, v. 82 (1), 11-18  
seasonal distribution  
Sorex araneus  
Clethrionomys glareolus  
Microtus agrestis  
Apodemus agrarius  
Apodemus flavicollis  
Apodemus sylvaticus  
Mus musculus  
all from eastern Denmark
- Ctenophthalmus* agyrtes agyrtes Heller, 1896  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-257  
Vulpes vulpes: Norge
- Ctenophthalmus* agyrtes bosnicus Wagner  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
Apodemus flavicollis  
A. sylvaticus  
Clethrionomys glareolus  
Micromys minutus pratensis  
Neomys anomalus milleri  
Pitymys subterraneus  
Rattus norvegicus  
Sorex araneus  
all from Sopron and environments, west Hungary
- Ctenophthalmus* agyrtes impavidus  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, Ann. Parasitol., v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
Vulpes vulpes: Nord-Est de la France
- Ctenophthalmus* agyrtes kleinschmidtianus Peus, 1950  
Cyprich, D.; and Kiefer, M., 1975, Biologia, Bratislava, s. B, Zool. (3), v. 30 (8), 599-604  
+Cricetus cricetus (nest): Vychodoslovenskej nizine
- Ctenophthalmus* (Ctenophthalmus) andorrensis veletensis ssp. nov., illus.  
Beaucournu, J. C.; Gilot, B.; and Vericad, J. R., 1973, Rev. Iber. Parasitol., v. 33 (1), 127-134  
male only  
Crocidura russula: Sierra Nevada, Granada, Espana
- Ctenophthalmus* (Ctenophthalmus) apertus meylani ssp. nov., illus.  
Beaucournu, J. C.; Gilot, B.; and Vericad, J. R., 1973, Rev. Iber. Parasitol., v. 33 (1), 127-134  
male only  
Apodemus sylvaticus: Sierra Nevada, Granada, Espana
- Ctenophthalmus* (Euctenophthalmus) arvalis Wagn. et Ioff  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
Citellus undulatus: Tuva



- Ctenophthalmus assimilis* (Taschenberg 1880)  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Mustela erminea*  
*M. nivalis*  
all from Schleswig-Holstein
- Ctenophthalmus assimilis* (Taschenberg) 1880  
Cyprich, D.; and Kiefer, M., 1975, Biologia, Bratislava, s. B, Zool. (3), v. 30 (8), 599-604  
+*Cricetus cricetus* (nest): Vychodoslovenskej nizine
- Ctenophthalmus assimilis* (Taschenberg)  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Ctenophthalmus assimilis* (Taschenberg 1880)  
Czerwinska, A., 1977, Ekol. Polska, v. 25 (3), 551-559  
fleas of *Microtus arvalis*, effects of mowing and plowing on parasite and host populations: Lomna, near Warsaw
- Ctenophthalmus assimilis* (Tasch.)  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
*Clethrionomys glareolus*  
*Apodemus agrarius*  
*Microtus agrestis*  
*M. arvalis*  
all from Gory Sowie
- Ctenophthalmus assimilis assimilis* (Tasch.), illus.  
Roman, E.; and Pichot, J., 1975, Acta Trop., v. 32 (4), 349-352  
anomalous female specimen  
*Microtus arvalis*: Grenay (Isere), a 20 km a l'est de Lyon
- Ctenophthalmus assimilis assimilis* Taschenberg  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
*Neomys anomalus milleri*  
*Pitymys subterraneus*  
all from Sopron and environments, west Hungary
- Ctenophthalmus baeticus arvernus*  
Beaucournu, J. C.; and Deunff, J., [1976], Ann. Parasitol., v. 50 (6), 1975, 831-835  
hyperparasitized by *Mastophorus muris* and *Hepatozoon* sp.  
*Pitymys subterraneus*: France
- Ctenophthalmus bisoctodentatus* Kolenati 1863  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus flavicollis*  
*Microtus arvalis*  
*Talpa europaea*  
*Mustela erminea*  
*M. nivalis*  
all from Schleswig-Holstein
- Ctenophthalmus bisoctodentatus* Kolenati, 1863  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Ctenophthalmus bisoctodentatus bisoctodentatus* Kolenati  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
*Pitymys subterraneus*: Sopron and environments, west Hungary
- Ctenophthalmus bisoctodentatus heselhausi*  
Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain
- Ctenophthalmus bogatschevi*  
Avetisian, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*M. nivalis*  
*Arvicola terrestris*  
all from Armenia
- Ctenophthalmus brevatus* Wagn. et Joff  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transural plague focus  
*Rhombomys opimus*  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian lowland
- Ctenophthalmus* (*Ctenophthalmus*) *capriciosus* bychowskyi Vysotskaya, 1968  
Skuratowicz, W.; Bartkowska, K.; and Mitev, D., 1976, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 24 (12), 741-746  
*Clethrionomys glareolus*  
*Pitymys subterraneus*  
all from Rhodope Mts., Studenec near Smoljan, Bulgaria
- Ctenophthalmus chrysochloridis* n. sp., illus.  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
*Chrysochloris stuhlmanni fosteri* (leg): Cherangani Hills, Kenya
- Ctenophthalmus congener* Roths.  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
*Clethrionomys glareolus*  
*Apodemus tauricus*  
*Microtus agrestis*  
*M. arvalis*  
*Pitymys subterraneus*  
*Sorex araneus*  
all from Gory Sowie
- Ctenophthalmus congener congener* Rothschild  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
*Clethrionomys glareolus*: Sopron and environments, west Hungary

- Ctenophthalmus cophurus cophurus* J. & R., 1913, illus.  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Surdisorax pollulus: Naro Moru track, Mt. Kenya
- Ctenophthalmus cophurus prolapsus* n. ssp., illus.  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Lophuromys flavopunctatus (leg): Cherangani Hills, Kenya
- Ctenophthalmus dolichus bair* Ioff  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
Rhombomys opimus: Turkmenistan
- Ctenophthalmus evidens convexus* n. ssp., illus.  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Lophuromys flavopunctatus (leg)  
Praomys jacksoni  
all from Cherangani Hills, Kenya
- Ctenophthalmus eximius* Jordan & Rothschild, 1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Lophuromys sikapusi  
Lophuromys sp.  
Praomys sp.  
all from Cherangani Hills, Kenya
- Ctenophthalmus iran*us  
Avetisian, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
Microtus nivalis: Armenia
- Ctenophthalmus nobilis nobilis*  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
Rattus norvegicus: Carshalton
- Ctenophthalmus n. nobilis*  
Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
straggler fleas on rabbits, Oryctolagus cuniculus, from Surrey and on myxomatous rabbits throughout Britain
- Ctenophthalmus nobilis vulgaris*  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
Rattus norvegicus: Carshalton
- C[tenophthalmus] n[obilis] vulgaris  
Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
Apodemus sylvaticus  
Oryctolagus cuniculus  
Rattus norvegicus  
all from Isle of Man
- Ctenophthalmus obtusus* Jordan et Rothschild, 1912  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
Arvicola terrestris: Slovakia
- Ctenophthalmus ominosus*  
Ozsán, K.; et al., 1974, Mikrobiol. Bul., v. 8 (3), 267-269  
Citellus: Turkey
- Ctenophthalmus orientalis* (Wagner) 1898  
Cyprich, D.; and Kiefer, M., 1975, Biologia, Bratislava, s. B, Zool. (3), v. 30 (8), 599-604  
+Cricetus cricetus (nest): Vychodoslovenskej nizine
- Ctenophthalmus orientalis* (Wagner) 1898  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
Arvicola terrestris: Slovakia
- Ctenophthalmus pilosus* n. sp., illus.  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Lophuromys flavopunctatus (leg): Cherangani Hills, Kenya
- Ctenophthalmus proximus*  
Avetisian, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
Microtus socialis  
M. nivalis  
Arvicola terrestris  
all from Armenia
- Ctenophthalmus pseudagyrtis* Baker  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
Microtus pennsylvanicus: Parkside, Wisconsin
- Ctenophthalmus pseudagyrtis*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
Microtus ochrogaster ochrogaster  
Peromyscus leucopus noveboracensis  
all from Coles County, Illinois
- Ctenophthalmus pseudagyrtis*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
Microtus ochrogaster  
Peromyscus leucopus  
all from Warren County, Kentucky
- Ctenophthalmus pseudagyrtis* Baker, illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
description  
Scalopus aquaticus  
Mustela vison  
Tamias striatus  
Peromyscus sp.  
P. gossypinus  
Oryzomys palustris  
Pitymys pinetorum  
Mus musculus  
Sigmodon hispidus  
all from Alabama
- Ctenophthalmus pseudagyrtis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
Sorex fumeus  
Peromyscus maniculatus  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Ctenophthalmus pseudagyrtis* Baker  
Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, Proc. Indiana Acad. Sc., v. 83, 1973, 478-481  
Scalopus aquaticus (fur): Indiana

- Ctenophthalmus rettigi*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus nivalis*: Armenia
- Ctenophthalmus russulae galloibericus* Beaucournu  
et Lumaret 1962  
Beaucournu, J.-C.; and Rosin, G., 1977, Ann.  
Parasitol., v. 52 (1), 101-103  
*Crocidura russula*: Maroc
- Ctenophthalmus secundus*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*Arvicola terrestris*  
all from Armenia
- Ctenophthalmus solutus* Jordan et Rothschild, 1920  
Cyprich, D.; and Kiefer, M., 1975, Biologia,  
Bratislava, s. B, Zool. (3), v. 30 (8), 599-604  
+*Cricetus cricetus* (nest): Vychodoslovenskej  
nizine
- Ctenophthalmus solutus* Jord. & Roths.  
Haitlinger, R., 1975, Polskie Pismo Entom., v.  
45 (2), 373-396  
seasonal variance  
*Apodemus tauricus*  
*A. agrarius*  
*A. sylvaticus*  
*Sorex araneus*  
all from Gory Sowie
- Ctenophthalmus solutus solutus* Jordan et Roths-  
child  
Szabo, I., 1972, Parasitol. Hungar., v. 5,  
329-347  
*Apodemus flavicollis*  
*A. sylvaticus*  
*Clethrionomys glareolus*  
*Pitymys subterraneus*  
*Sorex araneus*  
all from Sopron and environments, west Hun-  
gary
- Ctenophthalmus teres*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*M. nivalis*  
*Arvicola terrestris*  
all from Armenia
- Ctenophthalmus teres* I. et R.  
Marapulets, L. A.; and Cherchenko, I. I., 1970,  
Parazitologiya, Leningrad, v. 4 (3), 271-273  
feeding activity on man of 6 spp. of fleas  
from the common vole, evaluation of probable  
importance in plague epidemiology
- Ctenophthalmus tristis* (Roths. 1900)  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Choristopsylla tristis* (Roths-  
child, 1900)
- Ctenophthalmus uncinatus* (Wagner 1898)  
Artz, V., 1975, Entom. Germanica, v. 1 (2),  
105-143  
ectoparasites of small mammals, prevalence  
in relation to ecological factors (geology,  
soil type, vegetation patterns), family of  
host and sex of host; technique for live  
parasitism rates  
*Apodemus flavicollis*  
*A. sylvaticus*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
*M. agrestis*  
*Mustela erminea*  
*M. nivalis*  
all from Schleswig-Holstein
- Ctenophthalmus wladimiri*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*M. nivalis*  
*Arvicola terrestris*  
all from Armenia
- Ctenophthalmus wladimiri* Jsayeva  
Marapulets, L. A.; and Cherchenko, I. I., 1970,  
Parazitologiya, Leningrad, v. 4 (3), 271-273  
feeding activity on man of 6 spp. of fleas  
from the common vole, evaluation of probable  
importance in plague epidemiology
- Ctenophthalmus wranghami* n. sp., illus.  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine,  
v. 89 (1), 191-210  
*Tachyoryctes splendens* (leg): Cherangani  
Hills, Kenya
- Ctenophyllus* Wagner, 1927  
Smit, F. G. A. M., 1974, Senckenbergiana  
Biol., v. 55 (4-6), 357-398  
synonym
- Ctenophyllus* Wagner, 1927  
Smit, F. G. A. M., 1975, Senckenbergiana Biol.  
v. 56 (4-6), 247-256  
key
- Ctenophyllus* (Ochotonobius) hirticrus J. et R.  
Letov, G. S.; and Letova, G. I., 1973, Zool.  
Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Ctenophyllus intermedius* Liu, Tsai & Wu, 1974  
Smit, F. G. A. M., 1974, Senckenbergiana  
Biol., v. 55 (4-6), 357-398  
as syn. of *Ctenophyllus torosus* (Jordan,  
1932)
- Ctenophyllus lacertosus* n. sp., illus.  
Smit, F. G. A. M., 1974, Senckenbergiana  
Biol., v. 55 (4-6), 357-398  
*Ochotona* sp.: between passes Buko La and  
Mo La, Nepal
- Ctenophyllus martensi* n. sp., illus.  
Smit, F. G. A. M., 1974, Senckenbergiana  
Biol., v. 55 (4-6), 357-398  
*Ochotona roylei*: Ulleri, Nepal



- Ctenophyllus torosus* (Jordan, 1932), illus.  
Smit, F. G. A. M., 1974, Senckenbergiana  
Biol., v. 55 (4-6), 357-398  
correction of original description (ante-  
sensillial setae present in male)  
Syn.: *Ctenophyllus intermedius* Liu, Tsai &  
Wu, 1974
- Cucilotogaster* Carriker, 1936  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H.  
W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species  
and subspecies, descriptions, illustrations,  
hosts, economic and epidemiological impor-  
tance, extensive compilation: Central Europe  
includes: *C. heterographus heterographus*  
(Nitzsch, 1818)
- Cucilotogaster heterographus* (Nitzsch, 1866),  
illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Para-  
sitol., v. 35 (1-2), 41-79  
key, synonymy  
*Gallus domesticus*  
*Alectoris rufa*  
*Anas boschas domesticus*  
all from Spain
- Cucilotogaster laticarpus* Carriker, 1936  
Martin Mateo, M. P., 1975, Rev. Iber. Para-  
sitol., v. 35 (1-2), 41-79  
as syn. of *Cucilotogaster heterographus*  
(Nitzsch, 1866)
- Cuculicola* Clay & Meinertzhagen, 1939  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
taxonomic characters  
key to species
- Cuculicola* sp.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Chrysococcyx maculatus*: Ban Khlua Klang,  
Prachuap Khiri Khan Province, Thailand
- Cuculicola cacomantae* sp. n., s. str.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Cacomantis sonneratii*: Kankhlua Klang,  
Prachuap Khiri Khan Province, Thailand
- Cuculicola cacomantae* sp. n., s. l.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Cacomantis castaneiventris*: Wan New Guinea  
*C. merulinus*: Iwabig, Palawan, Philippine  
Islands  
*C. variolosus*: Tombo, Manai, Mindanao and  
Mt. Kaindi, Philippine Islands
- Cuculicola concolor* Ansari, 1955  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Clamator jacobinus*: Lucknow and Point  
Calimere, Tanjore District, Tamil Nadu,  
India
- Cuculicola coromandus* (Rudow, 1869)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Clamator coromandus*: Subang Selangor,  
Malaya; Point Calimere, Tamil Nadu, India
- Cuculicola erythrophthalmus* Emerson, 1964  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key, brief description  
*Coccyzus melacoryphus*: Villa Felisa, Sant.  
N., Colombia
- Cuculicola hardayali* Somadder & Tandan, 1970  
s. str.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Phaenicophaeus tristis longicaudatus*: Phu  
Phak Khi Mt., Village Kok Sathon, District  
Dan Sai, Province Loei, Thailand
- Cuculicola hardayali* s. lat.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Phaenicophaeus pyrrhocephalus*: Ranau, North  
Borneo  
*P. curvirostris*: Brookes Point, Palawan,  
Philippine Islands
- Cuculicola latirostris* (Burmeister, 1838)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Cuculus canorus gularis*: Mt. Monduli, Masai  
Dist., Tanganyika (now Tanzania)  
*C. canorus*: S. Spain; Muldenal, Walken-  
burg, Saxony, Germany  
*C. poliocephalus rochii*: Ambalanjanakomby,  
Madagascar (now Malagasy Republic)
- Cuculicola latirostris* s. lat.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
*Cuculus saturatus*: Dalton Pass, N. Vizcaya,  
Philippine Islands
- Cuculicola palawanensis* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Phaenicophaeus curvirostris*: Brookes  
Point, Palawan, Philippine Islands
- Cuculicola philippensis* Somadder & Tandan, 1970  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Centropus melanops*: Davao, Philippine  
Islands
- Cuculicola sinensis* Somadder & Tandan, 1970  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Centropus sinensis*: Balabac Is., Philippine  
Islands
- Cuculicola vagata* sp. n., s. str.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
*Centropus phasianinus*: Bulolo, New Guinea

- Cuculicola vagata* sp. n., s. lat.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
Centropus menbeki: New Guinea  
C. bernsteinii: Bulolo, New Guinea; Kileton  
and Jumbora, Papua  
C. violaceus: New Ireland (=New Mecklen-  
burg)  
C. phasianinus: Tegona, Papua
- Cuculiphilus* gen. n.  
Casto, S. D., 1977, Southwest. Nat., v. 22 (2),  
169-175  
Syringophilidae, Lobatinae subfam. n.  
tod: C. lobatus sp. n.
- Cuculiphilus lobatus* sp. n. (tod), illus.  
Casto, S. D., 1977, Southwest. Nat., v. 22 (2),  
169-175  
Crotophaga sulcirostris: Millett, La Salle  
County, Texas; near Valles, Mexico
- Cummingsia intermedia* Werneck, 1937, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
key  
Marmosa dryas: Venezuela
- Cummingsia peramydis* Ferris, 1922, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
synonymy, key  
Monodelphis breviceaudata: Venezuela
- Cuterebra* sp.  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1),  
110-111  
Canis familiaris: Racine-Kenosha Co., Wis-  
consin  
Peromyscus leucopus: Parkside, Wisconsin  
Microtus pennsylvanicus: Parkside, Wiscon-  
sin
- Cuterebra* spp.  
Boonstra, R., 1977, Canad. J. Zool., v. 55  
(6), 1057-1060  
Wohlfahrtia vigil, seasonal incidence and  
effect on Microtus townsendii populations,  
parasitism seemed to be facilitated by pres-  
ence of Cuterebra spp.: Westham Island,  
British Columbia
- Cuterebra* sp., illus.  
MacDonald, J. M.; Delahunta, A.; and Georgi,  
J., 1976, Cornell Vet., v. 66 (3), 372-380  
Cuterebra sp., larvae, encephalitis in  
dog
- Cuterebra* sp.  
Murray, V. I. E.; and Thompson, K., 1976,  
Trop. Agric., Trinidad, B. W. I., v. 53 (3),  
263-266  
subcutaneous myiasis, incidence  
Herpestes auropunctatus  
Proechimys guyannensis  
all from Trinidad and Tobago
- Cuterebra* spp.  
Murray, V. I. E.; and Thompson, K., 1976,  
Trop. Agric., Trinidad, B. W. I., v. 53 (3),  
263-266  
subcutaneous myiasis, incidence  
man: Trinidad and Tobago
- Cuterebra* sp., illus.  
Scholten, T.; et al., 1977, Canad. Med. Ass.  
J., v. 117 (4), 368-369  
Cuterebra sp., boy (furuncle on left cheek),  
possibly acquired while on fishing trip to  
Muskoka region but probably directly from  
fur of pet cat: Canada
- Cuterebra* [sp.]  
Seaman, R. N.; and Nash, D. J., 1976, Great  
Basin Nat., v. 36 (4), 481-482  
Cuterebra larvae in 2 sympatric species of  
Peromyscus, incidence, monthly variation;  
larvae show definite preference for P.  
maniculatus  
P. maniculatus  
P. difficilis  
all from northern Colorado
- Cuterebra* sp.  
Tyler, J. D.; and Buscher, H. N., 1975, Proc.  
Oklahoma Acad. Sc., v. 55, 166-168  
Sylvilagus auduboni: Oklahoma
- Cuterebra* sp.  
Whitaker, J. O., jr.; Spicka, E. J.; and  
Schmeltz, L. L., 1976, Proc. Indiana Acad.  
Sc., v. 85, 1975, 431-436  
Sciurus niger  
S. carolinensis  
all from Indiana
- Cuterebra apicalis*  
Murray, V. I. E.; and Thompson, K., 1976,  
Trop. Agric., Trinidad, B. W. I., v. 53 (3),  
263-266  
subcutaneous myiasis, incidence  
Zygodontomys breviceauda  
Nectomys squamipes  
Rattus alexandrinus  
all from Trinidad and Tobago
- Cuterebra approximata*  
Smith, D. H., 1973, J. Med. Entom., v. 10 (5),  
481  
Cuterebra approximata, technique for labora-  
tory mating, younger males more vigorous and  
fertile
- Cuterebra buccata*  
Jacobson, H. A.; and Kirkpatrick, R. L.,  
1974, J. Wildlife Dis., v. 10 (4), 384-391  
comparison of selected physiological measure-  
ments in untreated parasitized cottontail  
rabbits and those treated with 1-tetramisole  
hydrochloride and 2,2-dichlorovinyl, dimethyl  
phosphate: Montgomery County, Virginia
- Cuterebra buccata*, illus.  
Weisbroth, S. H.; Wang, R.; and Scher, S.,  
1973, Lab. Animal Sc., v. 23 (2), 241-247  
Cuterebra buccata, natural infections of  
laboratory Oryctolagus cuniculus, gross and  
microscopic aspects of skin lesions, immedi-  
ate and delayed hypersensitivity reactions  
to skin tests, detection of circulating pre-  
cipitins by immunodiffusion tests
- Cuterebra emasculator* Fitch  
Bennett, G. F., 1973, J. Wildlife Dis., v. 9  
(1), 85-93  
Cuterebra emasculator, Tamias striatus  
(nat. and exper.), haematological values of  
infected vs. uninfected chipmunks, adverse  
effects of infection on activity and feeding  
subsequent to parasite leaving host:  
Ontario

- Cuterebra emasculator* Fitch  
Hensley, M. S., 1976, J. Wildlife Dis., v. 12 (2), 172-179  
*Tamias striatus*: upland Virginia
- Cuterebra fontinella*  
Gingrich, R. E., 1975, Folia Entom. Mexicana (33), 67-69  
migration behavior of larval *Cuterebra fontinella* in normal and resistant (previously infested) *Peromyscus leucopus*; faster migration and more abnormal sites in resistant hosts
- Cuterebra fontinella*  
Gingrich, R. E.; and Barrett, C. C., 1976, J. Med. Entom., v. 13 (1), 61-65  
*Cuterebra fontinella*, host specificity, acquisition of resistance by *Peromyscus leucopus*, effects of host sex on susceptibility to infection, localization of resistance, infestation by injection of larvae, interruption of infestation, effects of dose on resistance  
*Gerbillus gerbillus* (exper.)  
*Mus musculus* (exper.)  
*Peromyscus leucopus* (nat. and exper.): Butler Co., Ohio  
*P. maniculatus* (exper.)  
*P. boylii* (exper., larvae formed breathing holes after 5 days, but infestations were aborted soon afterward)  
*P. pectoralis* (exper., larvae formed breathing holes after 5 days, but infestations were aborted soon afterward)
- Cuterebra fontinella*  
Hensley, M. S., 1976, J. Wildlife Dis., v. 12 (2), 172-179  
*Cuterebra fontinella*, *Peromyscus leucopus noveboracensis*, seasonal incidence, higher prevalence in males and postjuveniles compared to adults: upland Virginia
- Cuterebra fontinella*  
Hensley, M. S., 1977, Virginia J. Sc., v. 28 (2), 63 [Abstract]  
*Cuterebra fontinella*-infested *Peromyscus leucopus*, less vulnerable to predation by foxes, possibly due to shrunken home ranges
- Cuterebra funebris*  
Murray, V. I. E.; and Thompson, K., 1976, Trop. Agric., Trinidad, B. W. I., v. 53 (3), 263-266  
subcutaneous myiasis, incidence  
*Echymys armatus*: Trinidad and Tobago
- Cuterebra nigricans*  
Murray, V. I. E.; and Thompson, K., 1976, Trop. Agric., Trinidad, B. W. I., v. 53 (3), 263-266  
subcutaneous myiasis, incidence  
*Oryzomys capitovelutinus*: Trinidad and Tobago
- Cuterebra tenebrosa* Coquillett, illus.  
Baird, C. R., 1975, Canad. J. Zool., v. 53 (12), 1788-1798  
*Cuterebra tenebrosa*, laboratory rearing in *Neotoma cinerea*, egg and larval development: effect of larval photoperiod on incidence of pupal diapause (egg photoperiod had no effect), duration of larval development with evidence as to photoperiod-sensitive stage, sequence of gross morphological changes from puparium formation to eclosion, unsuccessful attempts to terminate pupal diapause via temperature or photoperiod manipulations
- Cuterebra tenebrosa*, illus.  
Baird, C. R.; and Akre, R. D., 1977, J. Entom. Soc. Brit. Columbia, v. 74, 27-31  
*Cuterebra tenebrosa*, morphology of alimentary and reproductive tracts
- Cyclopodia horsfieldi* de Meijere, 1899  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Pteropus hypomelanus*: Patani; Jalor, Biserat; Pahang  
*P. vampyrus*: Malaya
- Cyclopodia* (*Leptocyclopodia*) *obliqua* Theodor, 1959  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
as syn. of *Leptocyclopodia obliqua* (Theodor, 1959)
- Cyclopodia oxycephala* (Bigot, 1860)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Pteropus tonganus*  
*P. anetianus*  
all from New Hebrides
- Cyclopodia planipyga* Maa, 1968  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Notopterus macdonaldi*: New Hebrides
- Cyclopodia tenuis* Schuurmans Stekhoven & Hardenberg, 1938  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Macroglossus lagochilus*: Kuala Gula, Perak
- Cymothoa* ? Chevreux, 1883  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra frontalis* Edwards, 1840
- Cymothoa* sp. Monod, 1934  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa indica* Schioedte et Meinert, 1884
- Cymothoa bivittata* Risso, 1816  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Nerocila bivittata* (Risso, 1816)
- Cymothoa borbonica* Schioedte et Meinert, 1884, illus.  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
Syn.: (?) *Cymothoa rotundifrons* Haller, 1880  
[no host]: St. Marie Galande; Bourbon; Port Louis, ile Maurice; Le Chaland, ile Maurice; Mascate  
*Ptychochromis oligacanthus* (bouche): Madagascar  
poissons (cavite branchiale): Djibouti



- Cymothoa cinerea* Bal et Joshi, 1959  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoa cinerius*: Joshi et Bal, 1960  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoa dufresnei* Leach, 1818  
Trilles, J.-P.; and Vala, J.-C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
as syn. of *Cymothoa oestrum* (L., 1758) Fabricius, 1793
- Cymothoa edwardsii* Bleeker, 1857  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- ? *Cymothoa elegans* Bovallius, 1885  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884, illus.  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
synonymy  
[no host]: rade de Pondichery; Djibouti; Batavia; N. Caledonie; Cochinchine; Poulo Condor  
poisson (bouche): cotes d'Arabie, golfe Persique
- Cymothoa excisa* Perty, 1830, illus.  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
synonymy  
[no host]: Amerique; baie de Santiago, Cuba; Trinidad; Guyane
- Cymothoa excisa* var. *compressa* Dana, 1853  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa excisa* Perty, 1830
- Cymothoa exigua* Schioedte & Meinert, 1884  
Brusca, R. C., 1977, Bull. South. Calif. Acad. Sc., v. 76 (2), 128-131  
*Cymothoidae*, range extensions, some host records questionable, host criteria: eastern Pacific Ocean  
[no host]: from El Golfo de Santa Clara, Sonora, to Huatobampito, near Yavaros, Sonora, Mexico  
*Orthopristis reddingi*: upper Gulf of California  
*Etropus* sp.: Puerto Penasco, Sonora
- Cymothoa frontalis* Edwards, 1840, illus.  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
[no host]: mer des Indes; Bankok
- Cymothoa immersa* Say, 1818  
Trilles, J.-P.; and Vala, J.-C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
as syn. of *Cymothoa oestrum* (L., 1758) Fabricius, 1793
- Cymothoa indica* Schioedte et Meinert, 1884, illus.  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
Syn.: *Cymothoa* sp. Monod, 1934  
Bothidae (bouche): baie de Nhatrang
- Cymothoa leschenaultii* Leach, 1818  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- ? *Cymothoa limbata* Schioedte et Meinert, 1884  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoa mathieui* Leach, 1818  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoa mathoei*: Desmaret, 1825 [et auct.]  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoa matthaei*: White, 1847; Bleeker, 1857  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoa oestrum* (L., 1758) Fabricius, 1793, illus.  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
[no host]: Guadeloupe; Puerto Rico; Saba
- Cymothoa oestrum* (L., 1758) Fabricius, 1793, illus.  
Trilles, J.-P.; and Vala, J.-C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
synonymy  
Caranx (cavite buccale): St. Anne, Guadeloupe

- Cymothoa oestrus*: Rathke, 1837 [et auct.]  
 Trilles, J.-P.; and Vala, J.-C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
 not a syn. of *Cymothoa oestrus* (L., 1758) Fabricius, 1793
- Cymothoa parasita* Saussure, 1857  
 Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
 as syn. of *Cymothoa excisa* Perty, 1830
- Cymothoa physodes*: Fabricius, 1793  
 Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
 as syn. of *Anilocra physodes* (L., 1758)
- Cymothoa plebeia* Schioedte et Meinert, 1884, illus.  
 Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
 poissons (langue): Kotonou, Dahomey  
 [no host]: Cote d'Or  
*Pristipoma macrophthalmum* (bouche): Cameroun  
*Tolithus* [i. e., *Otolithus*] *senegalensis*: Cameroun
- Cymothoa pulchrum* Lanchester, 1902, illus.  
 Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
*Tetrodon stellatus* (bucca): baie de l'est, Poulou Condor  
*Psettodes*: Cap. Saint Jacques  
*Psettodes erumei* (bouche): baie de Kikuik
- ? *Cymothoa recta* Dana, 1853  
 Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
 as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- (?) *Cymothoa rotundifrons* Haller, 1880  
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 as syn. of *Cymothoa borbonica* Schioedte et Meinert, 1884
- Cymothoa stromatei* Bleeker, 1857  
 Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
 as syn. of *Cymothoa eremita* (Brunnich, 1783) Schioedte et Meinert, 1884
- Cymothoidae*  
 Szidat, L., 1965, An. 2. Cong. Latino-Am. Zool., v. 2, 83-87  
*Cymothoidae*, evolution of secondary sexual dimorphism, various types of life cycles; particular studies of *Meinertia gaudichaudi* in *Trachurus* sp. (cavidad bucal): costas chilenas
- Cytodites amandavae* Fain, 1964  
 Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
*Hirundo aethiopica* (fosses nasales): Cameroun
- Cytodites amandavae* Fain & Bafort, 1964, illus.  
 Guevara-Benitez, D., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 273-281  
*Phylloscopus collybita* (pulmon): Granada (Espana)

- Dactylopsylla ignota* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Thomomys bottae*  
*T. talpoides*  
*Peromyscus maniculatus*  
*Felis catus*  
all from west of Rio Grande in and near  
Jemez Mts., New Mexico
- Dactylopsylla rara* Fox, illus.  
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morphological variations  
*Thomomys talpoides*: Jemez Mts., Sandoval Co., New Mexico
- Dactylopsylla rara* I. Fox  
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fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Thomomys talpoides*  
*Microtus montanus*  
all from west of Rio Grande in and near  
Jemez Mts., New Mexico
- Damalinia bovis*  
Neuhauser, H., 1974, Vet. Med. Rev. (4), 348-361  
cattle lice, Tiguvon Spot-on, compared with  
Tiguvon Pour-on: Australia
- Damalinia bovis* (Linne), illus.  
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*Lipeurus tropicalis*
- Damalinia caprae* Gurlt  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Capra hircus* (body): Hissar and suburbs, India
- Damalinia equi*  
Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 99-102  
*Equus caballus*: Chile
- Damalinia (Bovicola) tarandi*  
Low, W. A., 1976, Canad. Field-Naturalist,  
v. 90 (2), 189-191  
*Rangifer tarandus caribou* (over entire body):  
Tweedsmuir Provincial Park, British Columbia
- Damalinia trabeculae*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
*Redunca fulvorufula*: Mountain Zebra National Park
- Dasypsyllus* (Neornipsyllus) *aemulus* Jordan, 1933  
Smit, F. G. A. M., 1976, Entom. Ber., Amsterdam, v. 36 (5), 65-67
- Dasypsyllus* (Neornipsyllus) *araucanus*  
Smit, F. G. A. M., 1976, Entom. Ber., Amsterdam, v. 36 (5), 65-67  
Syn.: *Ceratophyllus araucanus* Jordan & Rothschild, 1920
- Dasypsyllus* (Neornipsyllus) *comatus* Jordan, 1933  
Smit, F. G. A. M., 1976, Entom. Ber., Amsterdam, v. 36 (5), 65-67
- Dasypsyllus* (Neornipsyllus) *cteniopus* (tod of subgen.)  
Smit, F. G. A. M., 1976, Entom. Ber., Amsterdam, v. 36 (5), 65-67  
Syn.: *Ceratophyllus cteniopus* Jordan & Rothschild, 1920
- Dasypsyllus gallinulae* (Dale 1878)  
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ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Mustela erminea*: Schleswig-Holstein
- Dasypsyllus gallinulae* (Dale)  
Shumilo, R. P.; and Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 208-214  
*Picoides tridactylus*  
*Garrulus glandarius*  
*Pica pica*  
*Corvus cornix*  
*Phoenicurus ochruros*  
*Turdus philomelos*  
*Turdus merula*  
*Phylloscopus sibilatrix*  
*Erithacus rubecula*  
*Motacilla alba*  
*Motacilla cinerea*  
all from Chernovtzy oblast, Ukrainian SSR
- Dasypsyllus gallinulae* (Dale, 1878)  
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*Turdus poliocephalus kelleri*: Davao Province, Mindanao, East Slope of Mt. McKinley, Philippine Islands
- Dasypsyllus g. gallinulae*  
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survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Martes foina*: Nord-Est de la France
- D[asypsyllus] g. gallinulae*  
Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
*Turdus merula*  
*Prunella modularis*  
*Phylloscopus trochilus*  
all from Isle of Man
- Dasypsyllus* (Neornipsyllus) *plumosissimus* sp. nov., illus.  
Smit, F. G. A. M., 1976, Entom. Ber., Amsterdam, v. 36 (5), 65-67  
*Catamenia analis griseiventris*: near Cuzco, Cuzco dept, Peru



- Dasypsyllus* (*Neornipsyllus*) *stejnegeri*  
Smit, F. G. A. M., 1976, Entom. Ber., Amsterdam, v. 36 (5), 65-67
- Dasyurochirus australis* Fain  
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helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Degeeriella regalis* Gb., 1866  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
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- Delotellis telegoni* Rothschild  
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fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Clethrionomys gapperi*: west of Rio Grande in and near Jemez Mts., New Mexico
- Demodectic mange. See [Demodex]
- Demodex  
Chapman, R. E., 1973, Austral. Vet. J., v. 49 (12), 595-596 [Letter]  
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- Demodex  
Desch, C. E.; O'Dea, J.; and Nutting, W. B., 1971, Acarologia, v. 12 (3), 522-526  
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- [Demodex] demodectic mange  
Hanson, C. J., 1977, Vet. Rec., v. 100 (4), 77-78 [Letter]  
sarcoptic mange in guinea pigs, demodectic mange in golden hamsters, canolene, good results
- Demodex sp.  
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helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in host  
*A. stuartii* (sebaceous glands in aural and perineal areas): Powelltown, Victoria
- Demodex sp., illus.  
Chroustova, E.; Willomitzer, J.; and Mrva, V., 1974, Veterinarstvi, v. 24 (3), 115-116  
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- Demodex sp., illus.  
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Dipeolu, O. O., 1975, Nigerian J. Animal Prod., v. 2 (2), 222-226  
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- Demodex spp.  
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- Demodex [sp.]  
Himonas, C. A.; Theodorides, J. T.; and Alexakis, A. E., 1975, J. Parasitol., v. 61 (4), 767  
dogs  
cattle  
sheep  
goats  
pigs  
(eyelids of all): all from Greece
- Demodex [sp.], demodectic mange  
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prevalence survey of domestic ruminants  
cattle  
buffaloes  
sheep  
goats  
camels  
(eyes of all): all from Tehran, Iran
- Demodex sp.  
Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Entom. Mag., v. 3 (4), 63-66  
*Oryctolagus cuniculus*: Victoria
- Demodex aurati, illus.  
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- Demodex bovis, illus.  
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May, I.; Putin, M.; and Acicirlanoaia, V., 1975, Rev. Crest. Animalelor, v. 25 (12), 48-51  
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Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231  
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- Demodex bovis**  
Rahko, T., 1973, Norwegian J. Zool., v. 21 (4), 325 [Abstract]  
Demodex bovis, economic loss to leather industry due to bovine demodicosis: Finland
- Demodex bovis**  
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incidence in cattle: Finland
- Demodex brevis**  
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- Demodex canis**  
Baker, B. B.; et al., 1976, J. Am. Vet. Med. Ass., v. 168 (12), 1105-1107  
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- Demodex canis**  
Brglez, J.; et al., 1975, Zborn. Bioteh. Fak. Univ. Ljubljani, v. 12 (1), 143-155  
Demodex canis, dogs, complete cure with dermofete; transient cure with neguvon, task and thiabendazole
- Demodex canis**  
Cordero Campillo, M., 1976, Veterinaria, Barcelona, v. 41 (1-6), 35-44  
canine, identification, life history, pathogenicity, treatment, review
- Demodex canis, illus.**  
Desch, C. E.; O'Dea, J.; and Nutting, W. B., 1971, Acarologia, v. 12 (3), 522-526  
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- Demodex canis**  
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 107-119  
Demodex canis, dogs, immunofluorescent demonstration and quantitation of mast cell-bound IgE, estimation of serum IgE inconclusive, possible role of atopic sensitization in pathogenesis of canine demodectic mange
- Demodex canis Leydig, 1859**  
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 121-131  
Demodex canis, development of clinical signs of demodectic mange in beagle pups receiving mites and antilymphocyte serum, results indicate importance of cell-mediated response in immune defense against demodectic mange
- Demodex canis Leydig, 1859**  
Healey, M. C.; and Gaafar, S. M., 1977, Vet. Parasitol., v. 3 (2), 133-140  
Demodex canis, dogs, immediate and delayed skin reactions to phytohemagglutinin and concanavalin A, suppression of delayed response suggests that dogs with demodicosis may have hypoactive cellular immune system, possible mechanism of immediate response
- Demodex canis**  
Hirsh, D. C.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1591-1595  
Demodex canis, suppression of in vitro reactivity of peripheral lymphocytes to phytohemagglutinin by serum from dogs with generalized demodicosis, possible role of T-lymphocyte dysfunction in pathogenesis
- Demodex canis**  
Janeczek, W.; Koprowski, J.; and Patyk, S., 1975, Med. Wet., v. 31 (12), 736-737  
Demodex canis, dogs, treatment with chlorfenvinphos compounds (IPO-62, IPO-63, Z-110)
- Demodex canis**  
Narayana, K.; Rao, H. S.; and Setty, D. R. L., 1975, Indian Vet. J., v. 52 (6), 494-495  
Demodex canis, dogs, clinical symptoms, Ocimum basilicum leaves + Leucas aspera leaves + Erythrina indica seed rubbed onto cutaneous lesions, good results
- Demodex canis**  
Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231  
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern
- Demodex canis, illus.**  
Pool, R. R.; Williams, J. R.; and Bulgin, M., 1972, J. Am. Vet. Med. Ass., v. 161 (3), 291-293  
Demodex canis, dog (skin), mineralized granuloma, case report: Davis, California
- Demodex caprae**  
Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231  
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern
- Demodex cati, illus.**  
Gabbert, N.; and Feldman, B. F., 1976, Feline Pract., v. 6 (6), 32-33  
Demodex cati, cat (right ear pinna), case report, rotenone, good results: Kansas

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Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231  
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern
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Desch, C. E.; O'Dea, J.; and Nutting, W. B., 1971, Acarologia, v. 12 (3), 522-526  
Demodex, description of proctodeum, valid structure for species discrimination, possibly a hydrostatic organ
- Demodex equi*  
Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231  
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern
- Demodex erinacei*  
Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 21-27  
Igel
- Demodex folliculorum*, illus.  
Baker, K. P., 1975, Vet. Parasitol., v. 1 (2), 193-197  
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- Demodex folliculorum*, illus.  
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English, F. P., 1969, Med. J. Australia, v. 1 (26), 1359-1360  
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- Demodex folliculorum*  
Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231  
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern
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Streng, R., 1976, Mikrokosmos, v. 65 (7), 202-205  
Demodex folliculorum, preparation for scanning electron microscopy
- Demodex folliculorum* var. *bovis*, illus.  
Esuruoso, G. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 65-72  
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- Demodex folliculorum bovis*  
Oduye, O. O., 1974, Nigerian J. Animal Prod., v. 1 (2), 204-208  
Demodex folliculorum bovis, cattle, prevalence, economic effect on hide and skin industries: Northern Nigeria
- Demodex ghanensis* sp. nov., illus.  
Oppong, E. N. W.; Lee, R. P.; and Yasin, S. A., 1975, Ghana J. Sc., v. 15 (1), 39-43  
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Bos taurus (alveoli and short lateral ducts of Meibomian glands): Ghana
- Demodex ovis*  
Coring, J., 1975, Deutsche Tierarztl. Wchnschr., v. 82 (12), 491-492  
ovine scabies, brief review of clinical aspects, diagnosis
- Demodex ovis*, illus.  
Kadlec, V.; and Kubelka, J., 1974, Vet. Med., Praha, v. 47, v. 19 (5), 249-254  
Demodex ovis, sheep, measurements of larvae, nymphs and adults, histopathology, treatment with Hypocid, better success with Sulikol, sulfur compound, first cases reported in Czechoslovak Socialist Republic
- Demodex ovis*  
Nutting, W. B., 1976, Cornell Vet., v. 66 (2), 214-231  
Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern
- Demodex phylloides*  
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- Demodex phylloides*  
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Demodex spp., biology, medical and veterinary importance, taxonomy, host-parasite interactions, problems needing further study, review, key to demodicids of medico-veterinary concern
- Demodex phylloides*  
Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 99-102  
Sus scrofa: Chile



- Demodex phylloides*, *illus.*  
Puccini, V.; and Colella, G., 1975, *Acta Med. Vet.*, Napoli, v. 21 (1-6), 65-72  
description  
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- Dennys distinctus* Ferris, 1916  
Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Collocalia esculenta*: New Hebrides
- Dennys thompsoni* Ledger, 1970 sens. lat.  
Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Collocalia vanikorensis*: New Hebrides
- Dentocarpus* (*Paradentocarpus*) *abyssinicus* sp. n. (tod of subgen.)  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Otomops martiensseni*: Ethiopie
- Dentocarpus* (*Dentocarpus*) *mimon* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Mimon bennetti*: near Bartica, Guyane Anglaise
- Dentocarpus* (*Dentocarpus*) *orientalis* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Tadarida* (*Chaerephon*) *johorensis*: Pulau, Kelantan, Malaya
- Dentocarpus* (*Paradentocarpus*) *phyllodermae* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Phylloderma stenops*: Forest Reserve, near Bartica, Guyane Anglaise
- Dentocarpus silvai eumopsicola* subsp. n.  
Fain, A., 1973, *Rev. Zool. et Botan. Africains*, v. 87 (2), 330-332  
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- Dermacarus* sp.  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, *Proc. Indiana Acad. Sc.*, v. 85, 1975, 431-436  
*Sciurus niger*: Indiana
- Dermacarus anisomysi*, n. sp., *illus.*  
Rupes, V.; Yunker, C. E.; and Wilson, N., 1971, *J. Med. Entom.*, v. 8 (1), 17-22  
*Anisomys imitator*: SE New Guinea (Papua), Southern Highlands Dist., Kagaba (slopes of Mt. Giluwe, 40 km NNE Mendi)
- Dermacarus heptneri* Rupes & Whitaker (not *Zachvatkin*, 1941), 1968  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Xenoryctes latiporus* Fain & Whitaker, 1973
- Dermacarus hylandi* Fain  
Amin, O. M., 1976, *Great Lakes Entom.*, v. 9 (4), 195-198  
*Tamias striatus ohionensis*: Kenosha County, Wisconsin
- Dermacarus hypudaei*  
Basolo, F., jr.; and Funk, R. C., 1974, *Tr. Illinois State Acad. Sc.*, v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
*Cryptotis parva parva*  
all from Coles County, Illinois
- Dermacarus hypudaei*  
Buckner, R. L.; and Gleason, L. N., 1974, *Tr. Kentucky Acad. Sc.*, v. 35 (3-4), 70-75  
seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
all from Warren County, Kentucky
- Dermacarus hypudaei*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
*Peromyscus leucopus*  
*P. maniculatus*  
*Ochrotomys nuttalli*  
*Clethrionomys gapperi*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Dermacarus hypudaei* Rupes & Whitaker, 1968 (in part) (not Koch, 1941)  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Dermacarus newyorkensis* Fain, 1969
- Dermacarus jonesi* sp. n., *illus.*  
Fain, A.; and Whitaker, J. O., jr., 1976, *J. Parasitol.*, v. 62 (1), 119-120  
*Peromyscus maniculatus*: Lana Creek and Road 249, Lana Campground, Olympic National Forest, Mason County, Washington; British Columbia  
*Sorex* sp.: junction Sagehen Creek and CA1. S.R. 89, Nevada County, California
- Dermacarus lorentzimysi*, n. sp., *illus.*  
Rupes, V.; Yunker, C. E.; and Wilson, N., 1971, *J. Med. Entom.*, v. 8 (1), 17-22  
*Lorentzimys nouhuysi*: NE New Guinea, Morobe Dist. (19 km S Edie Creek)
- Dermacarus newyorkensis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
*Blarina brevicauda*  
*Zapus hudsonius*  
*Napaeozapus insignis*  
all from Fires Creek area, Nantahala Mountains, North Carolina

- Dermacarus newyorkensis* Fain, 1969  
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synonymy
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"The 20 "labidophorids" listed by Scholten et al. (1962) from *T. hudsonicus* in Ontario may be this species."  
*Tamiasciurus hudsonicus*: U.S.A., Michigan, Keweenaw Co., Isle Royale National Park
- Dermacentor* sp.  
Coultrip, R. L.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Sylvilagus bachmani*  
*Spermophilus beecheyi*  
*Perognathus californicus*  
*Dipodomys heermanni*  
*Reithrodontomys megalotis*  
*Peromyscus californicus*  
*P. maniculatus*  
*P. truei*  
*Neotoma fuscipes*  
*Microtus californicus*  
*Mephitis mephitis*  
*Felis domesticus*  
all from Fort Ord, California
- Dermacentor* [sp.]  
Isenbuegel, E., 1976, *Prakt. Tierarzt*, v. 57, Sondernummer, 21-27  
Igel
- Dermacentor* spp.  
Lim, B. L., 1972, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 3 (4), 605-612  
*Rattus sabanus*  
*R. muelleri*  
*R. bowersii*  
*R. surifer*  
*R. rajah*  
*R. whiteheadi*  
*Callosciurus caniceps*  
*Echinosorex gymnurus*  
*Tupaia glis*  
*Callosciurus nigrovittatus*  
all from rainforests in West Malaysia
- Dermacentor albipictus* (Packard)  
Meleney, W. P., 1975, *J. Parasitol.*, v. 61 (3), 530-534  
*Tayassu tajacu* (left axilla): Hidalgo County, New Mexico
- Dermacentor albipictus* (Packard)  
Patrick, C. D.; and Hair, J. A., 1975, *J. Med. Entom.*, v. 12 (3), 393-394  
*Dermacentor albipictus*, studies in field conditions, two different habitats, March 1973-May 1974, oviposition, incubation time, comments on taxonomic status and relationship to *D. nigrolineatus*; eastern Oklahoma
- Dermacentor albipictus*  
Renshaw, H. W.; et al., 1977, *J. Am. Vet. Med. Ass.*, v. 170 (3), 334-339  
*Odocoileus hemionus hemionus*: Idaho-Utah state boundary, near Stone, Idaho
- Dermacentor albipictus* (Packard, 1869)  
Rogers, L. L., 1975, *J. Wildlife Dis.*, v. 11 (2), 189-192  
*Ursus americanus*: Minnesota
- Dermacentor albipictus* (Packard)  
Sementner, P. J.; and Hair, J. A., 1975, *J. Med. Entom.*, v. 12 (1), 137-138  
carbon dioxide-baited traps: Cherokee County, Oklahoma
- Dermacentor andersoni*  
Bassal, T. T. M., 1973, *J. Med. Entom.*, v. 10 (2), 228  
*Dermacentor andersoni*, *Ornithodoros moubata*, *O. savignyi*, hemolymph, use of silicic acid chromatograms to detect microamounts of trehalose and other sugars
- Dermacentor andersoni*  
Bocor, F. N.; and Kamel, M. Y., 1976, *Insect Biochem.*, v. 6 (3), 233-240  
*Dermacentor andersoni* eggs, 2 lipovitellins, purification, characterization, immunological identity with female hemolymph proteins
- Dermacentor andersoni*  
Bocor, F. N.; and Kamel, M. Y., 1977, *Comp. Biochem. and Physiol.*, v. 56 (2B), 169-173  
*Dermacentor andersoni*, free amino acid pools during embryogenesis and in newly hatched larvae, glutamate-pyruvate transaminase and glutamate-oxalacetate transaminase activity
- Dermacentor andersoni*  
Brittain, P. C.; and Voth, D. R., 1975, *J. Wildlife Dis.*, v. 11 (2), 269-271  
*Lepus californicus melanotis* (head and neck region): Rocky Mountain Arsenal near Denver, Colorado
- Dermacentor andersoni*  
Genga, U. E.; and Kreier, J. P., 1976, *Ohio J. Sc.*, v. 76 (4), 188-189  
*Dermacentor andersoni*, transstadial transmission of *Babesia microti* (Gray strain), hamsters
- Dermacentor andersoni* Stiles  
Gladney, W. J.; Ernst, S. E.; and Drummond, R. O., 1974, *J. Med. Entom.*, v. 11 (5), 569-572  
*Amblyomma americanum*, *Rhipicephalus sanguineus*, *Dermacentor andersoni*, guinea pigs (exper.), topical chlordimeform highly effective as tick detachment agent (more effective against adults than nymphs) and caused a slow and incomplete kill of detached ticks (more toxic to nymphs than to adults)
- Dermacentor andersoni* Stiles  
Herrin, C. S., 1973, *Great Basin Nat.*, v. 33 (1), 26-28  
*Dermacentor andersoni*, incidence of *Rickettsia rickettsii* in adult ticks: recreational areas of northern Utah

*Dermacentor andersoni*

- Howarth, J. A.; and Hokama, Y., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 117-120  
*Anaplasma marginale*, laboratory transmission trials using *Ixodes pacificus* (transstadial transmission trial), *Dermacentor occidentalis* (transstadial and transovarian transmission trials), and *D. andersoni* (injection of macerated ticks; injection of tick saliva)

*Dermacentor andersoni* Stiles

- Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742  
 fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal

*Dermacentor andersoni* Stiles

- Kaufman, W. R., 1977, European J. Pharmacol., v. 45 (1), 61-68  
*Dermacentor andersoni*, *Amblyomma hebraeum*, isolated salivary glands, influence of adrenergic agonists and their antagonists on salivary fluid secretion

*Dermacentor andersoni*

- Kaufman, W. R.; and Barnett, S. F., 1977, Exper. Parasitol., v. 42 (1), 106-114  
*Dermacentor andersoni*, culture of whole salivary glands

*Dermacentor andersoni* Stiles

- Krinsky, W. L., 1977, J. Protozool., v. 24 (1), 52-56  
 exper. infection with *Nosema parkeri* sp. n.

*Dermacentor andersoni* Stiles, illus.

- Layton, E. C.; and Sonenshine, D. E., 1975, J. Med. Entom., v. 12 (3), 287-295  
*Dermacentor variabilis*, *D. andersoni*, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

*Dermacentor andersoni* (Stiles)

- Maroun, N. A.; and Kamel, M. Y., 1973, J. Med. Entom., v. 10 (4), 400-405  
*Dermacentor andersoni*, fatty acid composition of female, eggs, and larva, unfed, half-fed, engorged and postoviposition

*Dermacentor andersoni*

- Peterson, K. J.; et al., 1977, Am. J. Vet. Research, v. 38 (3), 351-354  
*Anaplasma marginale*, latent-infected and anaplasmosis-susceptible cattle maintained on tick-proof platforms and exposed only to flying hematophagous insects which did not transmit the disease; *Dermacentor andersoni* as principal vector in eastern Oregon

*Dermacentor andersoni*

- Philip, R. N.; et al., 1974, Transmis. Disease and Blood Transfus., 175-195  
*Dermacentor andersoni*, vector of Colorado tick fever; precautionary measures to avoid transmission of virus by blood donors who may have had tick-associated illnesses

*Dermacentor andersoni*

- Rotranel, G. L.; Schwan, T. G.; and Doty, R. E., 1976, Am. J. Epidemiol., v. 104 (3), 287-293  
 geographic, seasonal and host distribution of suspected tick vectors and correlation with reported cases of Rocky Mountain spotted fever: California

*Dermacentor andersoni* Stiles

- Sonenshine, D. E.; et al., 1976, J. Chem. Ecol., v. 2 (2), 201-209  
*Dermacentor andersoni*, *D. variabilis*, 2,6-dichlorophenol identified as sex pheromone, probably occurs generally throughout metastriate Ixodidae

*Dermacentor andersoni*

- Wike, D. A.; and Burgdorfer, W., 1972, Infect. and Immun., v. 6 (5), 736-738  
*Dermacentor andersoni*, technique for direct isolation of *Rickettsia rickettsi* from tick hemolymph by means of plaque assay technique in primary chicken embryo tissue cultures

*Dermacentor andersoni*

- Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (3), 311-316  
*Dermacentor andersoni*, guinea pigs, development of resistance to larvae, resistance passively transferred with viable lymph node cells but not with serum

*Dermacentor andersoni*

- Wikel, S. K.; and Allen, J. R., 1976, Immunology, v. 30 (4), 479-484  
*Dermacentor andersoni*, guinea pigs, cyclophosphamide treatment, blockage of acquisition of resistance, partial blockage of expression of resistance, evidence of humoral component to resistance mechanism in addition to previously established cell-mediated component

*Dermacentor andersoni*

- Wikel, S. K.; and Allen, J. R., 1977, Immunology, v. 32 (4), 457-465  
*Dermacentor andersoni*, guinea-pigs, effect of cobra venom factor (which causes complement depletion) on resistance response, did not alter acquisition of resistance but blocked expression of resistance in an already resistant animal, histologic picture at attachment site

*Dermacentor atrosignatus*, illus.

- Stillier, D., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 151-152 [Demonstration]  
 symbiotic association with cryptogamic plants found on backs, legs and capitula of ticks collected unfed from vegetation at Bukit Lanjan, Sungei Buloh Forest Reserve, true nature of association unknown: Malaysia

*Dermacentor auratus* Supino, illus.

- Lim, B. L., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (1), 122-130  
*Dermacentor auratus* ("wide spur and close spur" forms), mark-release and recapture program to study abundance, distribution, seasonal activity and movements and ecology of ticks: West Malaysia



*Dermacentor compactus*

Stillier, D., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 151-152 [Demonstration]

symbiotic association with cryptogamic plants found on backs, legs and capitula of ticks collected unfed from vegetation at Bukit Lanjan, Sungei Buloh Forest Reserve, true nature of association unknown: Malaysia

*Dermacentor daghestanicus*

Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317

ixodid and argasid ticks, fine structure and function of palpal receptor organ

*Dermacentor daghestanicus*, illus.

Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952

ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy

*Dermacentor halli* McIntosh

Meleney, W. P., 1975, J. Parasitol., v. 61 (3), 530-534

Tayassu tajacu: Mexico; King Ranch, Texas

*Dermacentor hunteri* Bishopp

Williams, C. F., 1976, J. Med. Entom., v. 13 (1), 98

*Dermacentor hunteri* found crawling on human's skin and on clothing: Cantil Canyon approximately 32 km south of La Rumorosa in the Sierra de Juarez, Baja California Norte, Mexico

*Dermacentor marginatus*

Bazlikova, M.; et al., 1977, Immun. u. Infekt., v. 5 (4), 167

*Dermacentor marginatus*, isolation of rickettsia of spotted fever group: Tirol, Austria

*Dermacentor marginatus*, illus.

Blaskovic, D.; and Nosek, J., 1972, Progr. Med. Virol., v. 14, 275-320

tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area

*Dermacentor marginatus*

Ciampor, F.; and Nosek, J., 1976, Acta Virol., Internat. J., English ed., v. 20 (5), 439-441

*Dermacentor marginatus*, presence of virus-like particles and rickettsia-like structures discovered in nymph gut cells

*Dermacentor marginatus*

Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127

*Lagurus lagurus*: Karagandinsk oblast

*Dermacentor marginatus* Sulz., 1774

Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28

*Rhinolophus mehelyi*: Azerbaidzhan

*Dermacentor marginatus*

Gilot, B., 1975, Bull. Soc. Path. Exot., v. 68 (6), 529-538

survey of area ticks as possible vectors of *Rickettsia* spp., *Dermacentor marginatus*, *D. reticulatus* and *Ixodes hexagonus* positive for *R. conori*; *Rhipicephalus sanguineus* and *Haemaphysalis punctata* gave negative results: areas of southern France

*Dermacentor marginatus*

Gilot, B.; et al., 1976, Ann. Parasitol., v. 51 (2), 241-254

*Apodemus sylvaticus*: Nord-Ouest de l'Espagne

*Dermacentor marginatus* (Sulzer, 1776), illus.

Liebis, A.; and Rahman, M. S., 1976, Tropenmed. u. Parasitol., v. 27 (4), 393-404

*Dermacentor marginatus*, prevalence survey, seasonal distribution, possible role as vector of Q fever

Schaf

Mensch

Pferd

all from Suddeutschland

*Dermacentor marginatus* Sulzer 1776

Mikacic, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 49-54

seasonal occurrence: Rab and Pag

*Dermacentor marginatus*

Pencea, I.; et al., 1974, Medecine et Malad. Infect., v. 4 (2), 99-102

survey for vectors of human tularemia, 2 of 731 *Dermacentor marginatus* weakly positive as vectors: Rumania

*Dermacentor marginatus*, illus.

Rajcani, J.; et al., 1976, Zentralbl. Bakteriologie, 1. Abt. Orig., Reihe A, v. 236 (1), 1-9

*Dermacentor reticulatus*, *D. marginatus*, *Haemaphysalis inermis*, morphology of mouth parts, host reactions to feeding and attachment, encephalitis virus transmission

*Dermacentor marginatus* Schulze, 1776, illus.

Sanchez Acedo, C.; and Ramon Vericad, J., 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38

*Sus scrofa*

*Erinaceus europaeus*

all from Alto Aragon

*Dermacentor marginatus*

Tovornik, D., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 103-106

tick fauna in foci of Central European Encephalitis; list of tick species found on birds: Yugoslavia

*Dermacentor marginatus*

Trifonov, T., 1975, Vet. Med. Nauki, v. 12 (5), 70-79

ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin

- Dermacentor marginatus*  
Uspenskaia, I. G., 1971, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (7), 115-121  
ixodid ticks, influence of cultivated land on distribution: Moldavia
- Dermacentor nigrolineatus* (Packard)  
Patrick, C. D.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (3), 393-394  
*Dermacentor albipictus*, studies in field conditions, two different habitats, March 1973-May 1974, oviposition, incubation time, comments on taxonomic status and relationship to *D. nigrolineatus*: eastern Oklahoma
- Dermacentor nitens*  
Joyner, L. P., 1971, Symposia Brit. Soc. Parasitol., v. 9, 1-37  
laboratory maintenance of tick-borne *Babesia* and *Theileria*, extensive review: collection of field material and infection of laboratory animals; management and preparation of experimental animals; cyclical maintenance; mechanical transmission; tissue culture; low-temperature preservation
- Dermacentor nuttalli*, illus.  
Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
- Dermacentor occidentalis*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Dipodomys heermanni*  
*Peromyscus truei*  
*P. maniculatus*  
*Felis domesticus*  
all from Fort Ord, California
- Dermacentor occidentalis*  
Howarth, J. A.; and Hokama, Y., 1973, Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973), 117-120  
*Anaplasma marginale*, laboratory transmission trials using *Ixodes pacificus* (transstadial transmission trial), *Dermacentor occidentalis* (transstadial and transovarian transmission trials), and *D. andersoni* (injection of macerated ticks; injection of tick saliva)
- Dermacentor occidentalis*  
Rotramel, G. L.; Schwan, T. G.; and Doty, R. E., 1976, Am. J. Epidemiol., v. 104 (3), 287-293  
geographic, seasonal and host distribution of suspected tick vectors and correlation with reported cases of Rocky Mountain spotted fever: California
- Dermacentor parumapertus* Neumann, illus.  
Bhat, U. K. M.; and Yunker, C. E., 1977, J. Parasitol., v. 63 (6), 1092-1098  
*Dermacentor parumapertus*, establishment and characterization of diploid cell line
- Dermacentor parumapertus*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Felis domesticus*: Fort Ord, California
- Dermacentor parumapertus*  
Hardy, J. L.; et al., 1974, Infect. and Immun., v. 10 (3), 553-564  
*Dermacentor parumapertus* failed to become infected with western equine encephalomyelitis virus after feeding on viremic hosts, *Ornithodoros parkeri* became infected but failed to transmit virus
- Dermacentor parumapertus* (Neuman)  
Patrick, C. D.; and Hair, J. A., 1975, J. Med. Entom., v. 12 (3), 389-390  
multi-host ticks, laboratory rearing procedures and equipment
- Dermacentor parumapertus*  
Rotramel, G. L.; Schwan, T. G.; and Doty, R. E., 1976, Am. J. Epidemiol., v. 104 (3), 287-293  
geographic, seasonal and host distribution of suspected tick vectors and correlation with reported cases of Rocky Mountain spotted fever: California
- Dermacentor parumapterus*  
Tyler, J. D.; and Buscher, H. N., 1975, Proc. Oklahoma Acad. Sc., v. 55, 166-168  
*Sylvilagus auduboni*: Oklahoma
- Dermacentor pictus*, illus.  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Dermacentor pictus*, illus.  
Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
- Dermacentor pictus* Herm.  
Uspenskaia, I. G., 1971, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (7), 115-121  
ixodid ticks, influence of cultivated land on distribution: Moldavia
- Dermacentor pictus*  
Wroblewska-Mularczykowa, Z.; Zukowski, K.; and Nawrocka, E., 1972, Med. Dosw. i Mikrobiol., v. 24 (2), 133-140  
*Dermacentor pictus*, rabbits, guinea pigs, transovarial and transphase encephalitis virus transmission, successful laboratory trials

- Dermacentor reticulatus*  
Blaskovic, D.; and Nosek, J., 1972, Progr. Med. Virol., v. 14, 275-320  
tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area
- Dermacentor reticulatus*  
Gilot, B., 1975, Bull. Soc. Path. Exot., v. 68 (6), 529-538  
survey of area ticks as possible vectors of *Rickettsia* spp., *Dermacentor marginatus*, *D. reticulatus* and *Ixodes hexagonus* positive for *R. conori*; *Rhipicephalus sanguineus* and *Haemaphysalis punctata* gave negative results: areas of southern France
- Dermacentor reticulatus* (Fabricius, 1794)  
Gilot, B.; et al., 1973, Rev. Suisse Zool., v. 80 (2), 411-430  
*Dermacentor reticulatus*, presence in suburban biotope, ecological aspects, epidemiological implications: Grenoble
- Dermacentor reticulatus*  
Gilot, B.; et al., 1976, Ann. Parasitol., v. 51 (2), 241-254  
Nord-Ouest de l'Espagne
- Dermacentor reticulatus*  
Gilot, B.; et al., 1977, Ann. Parasitol., v. 52 (3), 353-362  
*Rhipicephalus turanicus*, differentiation from *R. sanguineus*, analysis of suburban biotopes (Midi mediterraneen--Provence et Languedoc, France), comparison with *Dermacentor reticulatus* in similar biotopes (Alpes du Nord)
- Dermacentor reticulatus* Fabricius  
Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742  
fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal
- Dermacentor reticulatus* (Fabricius, 1794), illus.  
Liebisch, A.; and Rahman, M. S., 1976, Tropen-med. u. Parasitol., v. 27 (4), 393-404  
prevalence survey  
Hund  
Rotwild  
all from Suddeutschland
- Dermacentor reticulatus*, illus.  
Rajcani, J.; et al., 1976, Zentralbl. Bakteriologie, 1. Abt. Orig., Reihe A, v. 236 (1), 1-9  
*Dermacentor reticulatus*, *D. marginatus*, *Haemaphysalis inermis*, morphology of mouth parts, host reactions to feeding and attachment, encephalitis virus transmission
- Dermacentor silvarum*  
Ioffe, I. D., 1976, Zool. Zhurnal, v. 55 (4), 526-530  
*Ixodes persulcatus*, *Haemaphysalis concinna*, *Dermacentor silvarum*, olfactory and visual centers, relative size, importance of photo-reception
- Dermacentor silvarum*  
Ioffe, I. D.; et al., 1977, Zhurnal Obsh. Biol., v. 38 (6), 885-892  
*Ixodes persulcatus*; *Dermacentor silvarum*, effect of synthetic juvenile hormone analogue
- D[ermacentor] silvarum*  
Kolomin, G. V.; and Bolotin, E. I., 1975, Zool. Zhurnal, v. 54 (4), 616-617  
*Cervus elaphus*: Kavaleroysk region, Primorsk kraia
- Dermacentor silvarum*  
Korenberg, E. I.; et al., 1976, Zool. Zhurnal, v. 55 (2), 282-286  
ixodid ticks, distribution study, importance of habitat profiles and detailed distribution map for planning control measures: Baikal-Amur main line
- Dermacentor silvarum*  
Panfilova, I. M., 1976, Zool. Zhurnal, v. 55 (3), 371-377  
*Ixodes persulcatus*, *Dermacentor silvarum*, *Haemaphysalis concinna*, react positively to weak light and negatively to strong light; position of photo-receptors
- Dermacentor silvarum*  
Savitskii, B. P.; and Savitskaia, G. M., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 19-23  
inhabitation of forests and pastures by ticks transferred by domestic and wild animals  
[*Bos taurus*]  
[*Equus caballus*]  
all from Lower and Middle Amur flood plain
- Dermacentor taiwanensis*  
Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
seasonal prevalence  
*Sus riukiuanus*  
+*Tokudaia o. oshimensis* (nest)  
all from southern Amami-oshima Islands
- Dermacentor taiwanensis* Sugimoto  
Van Peenen, P. F. D.; et al., 1977, J. Protozool., v. 24 (2), 310-312  
*Bandicota indica nemorivaga*  
*Rattus coxinga*  
all from Taiwan
- Dermacentor variabilis* (Say)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Canis familiaris*: Racine-Kenosha Co., Wisconsin
- Dermacentor variabilis* (Say)  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Canis familiaris*: Kenosha County, Wisconsin
- Dermacentor variabilis*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
all from Coles County, Illinois



*Dermacentor variabilis* (Say)

Benach, J. L.; et al., 1977, *Am. J. Epidemiol.*, v. 106 (5), 380-387

*Dermacentor variabilis*, vector of Rocky Mountain spotted fever in humans, tick and area survey to assess changing patterns in the incidence of infections on Long Island, New York

*Dermacentor variabilis*

Berenberg, J. L.; Ward, P. A.; and Sonenshine, D. E., 1972, *J. Immunol.*, v. 109 (3), 451-456

*Dermacentor variabilis*, salivary gland extract generates by cleavage of C5 a chemotactic factor for neutrophils, this complement-derived factor may be important in mediating the acute inflammatory response to the tick bite

*Dermacentor variabilis* (Say)

Berger, R. S.; Dukes, J. C.; and Chow, Y. S., 1971, *J. Med. Entom.*, v. 8 (1), 84-86

*Amblyomma americanum*, *A. maculatum*, *Dermacentor variabilis*, pheromone from female extracts excited males and resulted in responses reminiscent of mating behavior, males must reach state of maturity initiated by feeding before they will respond; chemical properties indicate it is a weak acid, possibly a phenol, site of extract production appears to be female reproductive organs

*Dermacentor variabilis*

Buckner, R. L.; and Gleason, L. N., 1974, *Tr. Kentucky Acad. Sc.*, v. 35 (3-4), 70-75

seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
all from Warren County, Kentucky

*Dermacentor variabilis*

Coultrip, R. L.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 303-309

fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Microtus californicus*  
*Didelphis marsupialis*  
*Urocyon cinereoargenteus*  
*Taxidea taxus*  
*Spilogale putorius*  
*Mephitis mephitis*  
*Lynx rufus*  
all from Fort Ord, California

*Dermacentor variabilis*

Crawford, K. L., 1971, *Maryland State Med. J.*, v. 20 (11), 95-96

diagnostic differentiation of common ticks of Maryland, ticks as disease vectors, control and treatment measures

*Dermacentor variabilis* (Say)

Dukes, J. C.; and Rodriguez, J. G., 1976, *J. Kansas Entom. Soc.*, v. 49 (4), 562-566

*Dermacentor variabilis*, *Amblyomma americanum*, *Rhipicephalus sanguineus*, choice tube bioassay to measure responses to various host odors and several chemical compounds

*Dermacentor variabilis* Say

Hair, J. A.; Sauer, J. R.; and Durham, K. A., 1975, *J. Med. Entom.*, v. 12 (1), 37-47

*Amblyomma americanum*, *A. maculatum*, *Dermacentor variabilis*, critical equilibrium humidity, effects of low and high humidities on rates of weight change, total water content, hemolymph volume, and humidity preference, correlation with geographical distribution and resistance to dehydration

*Dermacentor variabilis* (Say)

Jackson, J. O.; and DeFoliart, G. R., 1975, *J. Med. Entom.*, v. 12 (4), 409-412

*Dermacentor variabilis*, larvae and nymphs, relationships with nesting *Peromyscus*, population peaks in April and June, relationships with mouse populations, no differences between north- and south-facing hill slope locations; handsorting of nest material superior to Berlese funnel technique for collecting engorged ticks  
*Peromyscus leucopus*: southwestern Wisconsin

*Dermacentor variabilis* (Say), illus.

Layton, E. C.; and Sonenshine, D. E., 1975, *J. Med. Entom.*, v. 12 (3), 287-295

*Dermacentor variabilis*, *D. andersoni*, females, structure of glands associated with foveae dorsales, histology and scanning electron microscopy, changes during feeding, possible role in sex pheromone activity

*Dermacentor variabilis*

McEnroe, W. D., 1976, *Bull. (633) Massachusetts Agric. Exper. Station*, 10 pp.

*Dermacentor variabilis*, epidemiology of Rocky Mountain spotted fever, seasonal activity of tick regulated by weather: North Atlantic coastal states

*Dermacentor variabilis* (Say)

Meleney, W. P., 1975, *J. Parasitol.*, v. 61 (3), 530-534

Tayassu tajacu: Texas (8 miles NW of Raymondville, Willacy County; Catarina, Dimmit County)

*Dermacentor variabilis* (Say)

Patrick, C. D.; and Hair, J. A., 1975, *J. Med. Entom.*, v. 12 (3), 389-390

multi-host ticks, laboratory rearing procedures and equipment

*Dermacentor variabilis* (Say, 1821)

Rogers, L. L., 1975, *J. Wildlife Dis.*, v. 11 (2), 189-192

*Ursus americanus*: Michigan; Minnesota

*Dermacentor variabilis*

Rotramel, G. L.; Schwan, T. G.; and Doty, R. E., 1976, *Am. J. Epidemiol.*, v. 104 (3), 287-293

geographic, seasonal and host distribution of suspected tick vectors and correlation with reported cases of Rocky Mountain spotted fever: California

- Dermacentor variabilis* Say  
Sementner, P. J.; and Hair, J. A., 1975, *J. Med. Entom.*, v. 12 (1), 137-138  
*Amblyomma maculatum*, *Dermacentor variabilis*, population sampling using carbon dioxide-baited traps compared with sweep sampling technique, traps appear to be useful survey tool: Oklahoma
- Dermacentor variabilis*  
Sonenshine, D. E., 1975, *Misc. Publication Entom. Soc. Am.*, v. 9 (5), 243-249  
population dynamics, influence of host-parasite interactions, *Ixodes ricinus* in relation to tick-borne encephalitis; *Dermacentor variabilis* in relation to Rocky Mountain spotted fever, review
- Dermacentor variabilis* (Say)  
Sonenshine, D. E.; et al., 1976, *J. Chem. Ecol.*, v. 2 (2), 201-209  
*Dermacentor andersoni*, *D. variabilis*, 2,6-dichlorophenol identified as sex pheromone, probably occurs generally throughout metastriate Ixodidae
- Dermacentor variabilis* (Say)  
Stone, J. E.; and Pence, D. B., 1977, *J. Parasitol.*, v. 63 (3), 463  
*Felis rufus*: near Benjamin, Knox County, west Texas
- Dermacentor variabilis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
*Sorex palustris*  
*Peromyscus maniculatus*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Dermacentor variabilis*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, *Proc. Indiana Acad. Sc.*, v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana
- Dermacentor variabilis* (Say)  
Wilkinson, P. R.; and Garvie, M. B., 1975, *J. Med. Entom.*, v. 12 (4), 480  
*Dermacentor variabilis* and *Haemaphysalis leporispalustris* feeding concurrently on *Lepus americanus struthopus*, possibility of birds or rodents ingesting infected ticks, implications for circulation of Rocky Mountain spotted fever rickettsiae between bird-Haemaphysalis-lagomorph cycle and rodent-Dermacentor-larger mammal cycle: near Caledonia, Nova Scotia
- Dermanyssus* sp.  
Guevara-Benitez, D.; and Ubeda-Ontiveros, J. M., 1974, *Rev. Iber. Parasitol.*, v. 34 (1-2), 83-102  
*Serinus canarius* (plumas): Granada
- Dermanyssus ambulans* Thorell, 1872  
Redington, B. C., 1971, *Acarologia*, v. 12 (4), 643-667  
as syn. of *Haemogamasus ambulans* (Thorell, 1872)
- Dermanyssus americanus*  
Brown, N. S.; and Wilson, G. I., 1975, *Am. Midland Naturalist*, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Boston, Mass.
- Dermanyssus americanus* Ewing  
McGroarty, D. L.; and Dobson, R. C., 1974, *Am. Midland Naturalist*, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Dermanyssus avium* Geer, 1778  
Sanchez Acedo, C.; and Vericad, J. R., 1973, *Rev. Iber. Parasitol.*, v. 33 (1), 29-38  
*Columba livia*: Alto Aragón
- Dermanyssus evotomydis* Ewing, 1933  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Dermanyssus gallinae* (DeGeer, 1778)
- Dermanyssus gallinae*  
Ambrosi, M.; and Flores, G., 1972, *Atti Soc. Ital. Sc. Vet.*, v. 26, 508-509  
*Dermanyssus gallinae*, chickens, economic losses, reduced egg production and chick embryo deaths, importance of sanitation, effective control with carbaryl
- Dermanyssus gallinae*  
Brown, N. S.; and Wilson, G. I., 1975, *Am. Midland Naturalist*, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Stockton-on-Tees, England
- Dermanyssus gallinae*  
Frick, W., 1977, *Monatsh. Vet.-Med.*, v. 32 (8), 291-294  
different concentrations of dichlorvos, fowl
- Dermanyssus gallinae*  
Gothe, R.; and Imhoff, N., 1975, *Berl. u. Munchen. Tierarztl. Wchnschr.*, v. 88 (22), 431-436  
arthropods, incidence in carrier pigeons, variation with host age: Germany
- Dermanyssus gallinae*  
Hidano, A.; and Asanuma, K., 1976, *Arch. Dermat.*, Chicago, v. 112 (6), 882-883  
bird mites from starling nest (*Sturnus cineraneus*) parasitizing human occupant of house to which nest attached, case report of resulting acarosis: Japan
- Dermanyssus gallinae* (DeGeer, 1778)  
Kirkwood, A. C., 1974, *Ann. Trop. Med. and Parasitol.*, v. 68 (1), 125-128  
*Dermanyssus gallinae*, systemic activity of sulphaphoxazole, sulphadoxine, and sulphadimethoxine administered orally to chickens, only doses too high for practicable use controlled the mites

- Dermanyssus gallinae* (De Geer, 1778), illus.  
Kowalska, M.; and Kupis, B., 1975, *Przegl. Dermat.*, v. 62 (5), 677-680  
*Dermanyssus gallinae* causing skin lesions in women employees of a building in which pigeons were nested, clinical aspects: Kielce, Poland
- Dermanyssus gallinae*, illus.  
Kowalska, M.; and Kupis, B., 1976, *Polish Med. Sc. and Hist. Bull.*, v. XV/IV [or v. 19] (4), 391-394  
*Dermanyssus gallinae*, edematous-papular skin lesions in 7 women attributed to *Dermanyssus*, women worked in building that had recently been plastered and pigeon nests on window ledges had been destroyed: Poland
- Dermanyssus gallinae*  
Petrov, D., 1975, *Vet. Med. Nauki*, v. 12 (5), 32-36  
*Dermanyssus gallinae*, carrier of *Pasteurella multocida*
- Dermanyssus gallinae* (DeGeer, 1778)  
Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, *Florida Entom.*, v. 59 (1), 89-92  
Syn. *Acarus gallinae* DeGeer, 1778  
*Gallus gallus*: Florida
- Dermanyssus gallinae* (DeGeer)  
Reisen, W. K.; et al., 1975, *Kalikasan*, v. 4 (2), 145-154  
*Rattus norvegicus*  
*R. rattus rufescens*  
*Suncus murinus riukiuanus*  
all from Okinawa
- Dermanyssus gallinae*  
Torres, P.; et al., 1974, *Bol. Chileno Parasitol.*, v. 29 (3-4), 115-117  
*Gallus gallus domesticus*: Chile
- Dermanyssus gallinae* (DeGeer, 1778)  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
Syn.: *Dermanyssus evotomydis* Ewing, 1933
- Dermanyssus gallinoides* Moss  
Wilson, N.; and Bull, E. L., 1977, *Bird-Banding*, v. 48 (2), 171-173  
+*Dryocopus pileatus* (nest)  
+squirrel (nest)  
all from Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Dermanyssus hirundinis*  
Borisova, V. I., 1975, *Biol. Nauk.*, Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR (141), year 18, (9), 14-18  
nest ectoparasite specificity  
+*[Riparia riparia]*  
+*[Hirundo rustica]*  
+*[Delichon urbica]*  
+*[Parus major]*  
+*[Muscicapa albicollis]*  
+*[Sturnus vulgaris]*  
+*[Phoenicurus phoenicurus]*  
+*[Motacilla alba]*  
+*[Passer montanus]*  
(nest of all)
- Dermanyssus hirundinis*, illus.  
Hidano, A.; and Asanuma, K., 1976, *Arch. Dermat.*, Chicago, v. 112 (6), 882-883  
bird mites from starling nest (*Sturnus cineraneus*) parasitizing human occupant of house to which nest attached, case report of resulting acarasis: Japan
- Dermanyssus hirundinis*  
Howell, F. G.; and Chapman, B. R., 1976, *Southwest. Nat.*, v. 21 (3), 275-280  
*Petrochelidon pyrrhonota*: northwestern Texas
- Dermanyssus hirundinis* (Hermann)  
McGroarty, D. L.; and Dobson, R. C., 1974, *Am. Midland Naturalist*, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Dermanyssus prognepophilus* Ewing, 1933, illus.  
Davis, J. C.; and Camin, J. H., 1976, *J. Kansas Entom. Soc.*, v. 49 (3), 441-449  
*Dermanyssus prognepophilus*, setal morphology of palpal and foreleg tarsi, comparable to palpal organ and Haller's organ respectively of ticks, scanning electron microscopy
- Dermanyssus sylviarum* Canestrini and Fanzago, 1878  
Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, *Florida Entom.*, v. 59 (1), 89-92  
as syn. of *Ornithonyssus sylviarum* (Canestrini and Fanzago)
- Dermanyssus triscutatus*  
Howell, F. G.; and Chapman, B. R., 1976, *Southwest. Nat.*, v. 21 (3), 275-280  
*Petrochelidon pyrrhonota*: northwestern Texas
- Dermatobia hominis*, illus. p. 1379  
Birnbaum, D.; and Werner, H., 1977, *Deutsche Med. Wchnschr.*, v. 102 (39), 1385-1386  
*Dermatobia hominis*, cutaneous myiasis in child presenting as granuloma, larval parasite discovered at surgical excision, clinical case report: Berlin, had travelled in Brazil
- Dermatobia hominis*, illus.  
Biroi, I. K.; and Sarigul, N. K., 1972, *Mikrobiol. Bul.*, v. 6 (4), 445-453  
human subcutaneous myiasis, clinical management: Turkey
- Dermatobia hominis*, illus.  
Everett, E. D.; DeVillez, R. L.; and Lewis, C. W., 1977, *Arch. Dermat.*, Chicago, v. 113 (8), 1122  
*Dermatobia hominis*, clinical case reports of cutaneous myiasis in two women after travel to Costa Rica: United States
- Dermatobia hominis*  
Janzen, D. H., 1976, *Biotropica*, v. 8 (3), 210  
*Dermatobia hominis*, occurrence in dry deciduous forest lowland of Costa Rica



- Dermatobia hominis*, illus.  
Leon, L. A., 1975, *Medicina*, Mexico (1202), an. 61, v. 55, 370-376  
epidemiology, diagnosis and treatment of furunculous lesions of tropical diseases, *Trypanosoma cruzi*, *Leishmania tropica*, *Dermatobia hominis*
- Dermatobia hominis*  
Murray, V. I. E.; and Thompson, K., 1976, *Trop. Agric.*, Trinidad, B. W. I., v. 53 (3), 263-266  
subcutaneous myiasis, incidence  
dog: Trinidad and Tobago
- Dermatobia hominis*, illus.  
Reyes, H.; and Lemus, J., 1972, *Bol. Chileno Parasitol.*, v. 27 (1-2), 40-42  
*Dermatobia hominis*, immature larva extracted from nodule in paraumbilical region of woman, case report: Chile (had resided in endemic area of Paraguay)
- Dermatophagoides evansi*  
Howell, F. G.; and Chapman, B. R., 1976, *Southwest. Nat.*, v. 21 (3), 275-280  
\**Petrochelidon pyrrhonota* (nest debris): northwestern Texas
- Dermatophagoides sclerovestibulatus* spec. nov., illus.  
Fain, A., 1975, *Rev. Zool. Africaine*, v. 89 (1), 252-256  
\**Buphagus erythrorhynchus* (nest): near Sattara, Parc National Kruger, Afrique du Sud
- Dermoglyphus* sp.  
McGroarty, D. L.; and Dobson, R. C., 1974, *Am. Midland Naturalist*, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Dermoglyphus columbae* Sugimoto 1942, illus.  
Macchioni, G.; and Marconcini, A., 1976, *Ann. Fac. Med. Vet.*, Pisa, v. 28, 1975, 65-70  
*Dermoglyphus columbae*, previously identified as *D. elongatus*, description of larvae, nymphs and adults, *Columba livia domestica*: Italy
- Dermoglyphus elongatus*  
Brown, N. S.; and Wilson, G. I., 1975, *Am. Midland Naturalist*, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Stockton-on-Tees, England
- Dermoglyphus elongatus* Megnin 1877  
Macchioni, G.; and Marconcini, A., 1976, *Ann. Fac. Med. Vet.*, Pisa, v. 28, 1975, 65-70  
*Dermoglyphus columbae*, previously identified as *D. elongatus*, description of larvae, nymphs and adults, *Columba livia domestica*: Italy
- Desumenopon* Carriker, 1954  
Scharf, W. C.; and Price, R. D., 1977, *Ann. Entom. Soc. Am.*, v. 70 (5), 815-822  
subgen. of *Amyrsidea*  
key
- Diabolicoptes phascogale* Fain and Domrow, 1974  
Fain, A.; and Laurence, B. R., 1975, *J. Med. Entom.*, v. 12 (4), 415-417  
as syn. of *Satanicoptes phascogale* (Fain & Domrow, 1974), n. comb.
- Diagonella* n. gen [lapsus fig. 7 for *Diogenella* n. gen]  
Stock, J. H., 1968, *Bull. Zool. Mus. Univ. Amsterdam*, v. 1 (9), 89-105
- Diamanus montanus*  
Coultrip, R. L.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Didelphis marsupialis*  
*Spermophilus beecheyi*  
*Spilogale putorius*  
*Mephitis mephitis*  
*Lynx rufus*  
all from Fort Ord, California
- Diamanus montanus* (Baker)  
Haas, G. E., 1973, *Am. Midland Naturalist*, v. 90 (1), 246-252  
morphological variations: New Mexico
- Diamanus montanus* (Baker)  
Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Spermophilus variegatus*  
*S. lateralis*  
\**Cynomys gunnisoni* (burrow)  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Diamanus montanus*  
Nelson, B. C.; and Smith, C. R., 1976, *J. Med. Entom.*, v. 13 (1), 51-61  
*Neotoma cinerea*: Lava Beds National Monument, California
- Diamanus montanus* (Baker 1895)  
Poinar, G. O., jr.; and Nelson, B. C., 1973, *J. Med. Entom.*, v. 10 (4), 349-354  
*Eutamias quadrimaculatus*: Plumas County, Lake Almanor, Main Campground, California  
*Spermophilus beecheyi sierrae*: El Dorado County, Lake Tahoe, Sugar Pine Point State Park, California
- Didelphoecius callipygus* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Monodelphis brevicaudata*: Demerara, British Guiana
- Didelphoecius inversus* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Marmosa mitis chapmani*: Annandale, Grenada

- Didelphoecius palmeirensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Marmosa microtarsus: Palmeira, Bresil
- Didelphoecius scutatus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Caluromys philander: Manaos, Bresil
- Didelphoecius squamatus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Marmosa pusilla: San Lorenzo, Bresil
- Didelphoecius surinamensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Caluromys philander: Surinam
- Dinopsyllus apistus* Jordan & Rothschild, 1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Praomys sp.  
P. stella  
Suncus sp.  
Crocidura sp.  
Lophuromys sp.  
all from Cherangani Hills, Kenya
- Dinopsyllus echinus* Jordan & Rothschild, 1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Crocidura sp.  
Lophuromys sp.  
all from Cherangani Hills, Kenya
- Dinopsyllus longifrons* Jordan & Rothschild, 1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Otomys tropicalis: Cherangani Hills, Kenya
- Dinopsyllus (Dinopsyllus) macrochaetus* n. sp., illus.  
Beaucournu, J. C.; and Rahm, U., 1975, Ann. Parasitol., v. 50 (1), 97-103  
Malacomys longipes centralis: Winton, Lemera and Bogamanda (Zaire)  
Thammomys venustus kempi: Lemera (Zaire)  
Hybomys univittatus: Lemera (Zaire)
- Dinopsyllus (Dinopsyllus) traubi* n. sp., illus.  
Beaucournu, J. C.; and Rahm, U., 1975, Ann. Parasitol., v. 50 (1), 97-103  
Graphiurus (Claviglis) murinus vulcanicus: Lemera (Zaire)
- Diogenella* n. gen.  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
Lichomolgidae  
[lapsus fig. 7 as Diagonella]  
key, tod: *Diogenella spinicauda* n. sp.
- Diogenella seticauda* n. sp., illus.  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
Halodeima surinamensis  
Holothuria impatiens  
all from Cayo Caracoles (near La Parguera), Puerto Rico
- Diogenella spinicauda* n. sp. (tod), illus.  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
Holothuria mexicana: Fuikbay, Curacao
- Diogenidium* Edwards, 1891  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
key, defined, differential diagnosis between *Diogenidium* and *Herrmannella*
- Diogenidium deforme* n. sp., illus.  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
Holothuria glaberrima: between Isla Matei and La Parguera, south coast of Puerto Rico
- Diogenidium nasutum* Edwards, 1891, illus.  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
description  
Syn.: *Paranthessius nasutum* Illg, 1949  
Holothuria mexicana (body cavity): off La Parguera (Puerto Rico); Fuikbay, Curacao
- Diogenidium spinulosum* n. sp., illus.  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
Isostichopus badinotus: San Christobal Reef, La Parguera, Puerto Rico
- Diplaegidia columbae* (Buchholz, 1869)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazitny Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
Columba oenas: Chernovtzy oblast, Ukrainian SSR  
Streptopelia decaocto: Moldavian SSR
- Diplocerus* Nitzsch, 1874  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Gyropus* Nitzsch, 1818
- Diptera  
Easton, A. M.; and Smith, K. G. V., 1970, Med. Sc. and Law, v. 10 (4), 208-215  
faunistic survey of cadaver can give accurate results as method of establishing time of death for legal purposes
- Docophoroides ferrisi* Harrison, 1937  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
valid species
- Docophoroides niethammeri* Timmermann, 1969  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
Syn.: *Docophoroides niethammeri* exiguus Timmermann, 1969  
Diomedea immutabilis: Midway Atoll, Pacific Ocean
- Docophoroides niethammeri* exiguus Timmermann, 1969  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
as syn. of *Docophoroides niethammeri* Timmermann, 1969

- Docophorulus* Eichl.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Pol-  
skie Pismo Entom.*, v. 45 (3-4), 547-563  
differential diagnosis of *Philopterus* and  
*Docophorulus*
- Docophorulus* Eichler  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key to species
- Docophorulus* sp. I, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Passer hispaniolensis hispaniolensis*:  
Griechenland
- Docophorulus* sp. II  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Loxia pityopsittacus*: Finnland
- Docophorulus* sp. III, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Turdus torquatus torquatus*: Polen
- Docophorulus* sp. IV, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Parus cristatus ssp.*: DDR
- Docophorulus* sp. V., illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Carduelis spinus*: UdSSR or Polen
- Docophorulus alexanderkoenigi* Wd. Eichler, 1953,  
illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Galerida cristata cristata*: Polen; Bulgarien
- Docophorulus bischoffi*, illus.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Pol-  
skie Pismo Entom.*, v. 45 (3-4), 547-563
- Docophorulus bischoffi* Wd. Eichler, 1951, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
Syn.: *D. merulae bischoffi* Wd. Eichler, 1951  
*Turdus pilaris*: Polen
- Docophorulus capillatus* Zlotorzyska, 1964  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
as syn. of *D. capillatus capillatus* Zlotor-  
zyska, 1964
- Docophorulus capillatus ssp.*, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Ficedula parva parva*: Tschechoslowakei
- Docophorulus capillatus capillatus* Zlotorzyska,  
1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
Syn.: *D. capillatus* Zlotorzyska, 1964  
key  
*Ficedula hypoleuca hypoleuca*: Polen
- Docophorulus capillatus desertus* Zlotorzyska,  
1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
Syn.: *D. desertus* Zlotorzyska, 1964  
*Muscicapa striata striata*: Polen; Finnland
- Docophorulus chloridis* (Schrank, 1776), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Carduelis chloris chloris*: DDR
- Docophorulus citrinellae* (Schrank, 1776), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Emberiza citrinella citrinella*: Polen; DDR
- Docophorulus coarctatus*  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key
- Docophorulus coarctatus coarctatus* (Scopoli,  
1763), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Lanius collurio collurio*: Polen
- Docophorulus coarctatus fuscicollis* (Burmeister,  
1838), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
*Lanius excubitor excubitor*: Polen; Deutsch-  
land; Finnland
- Docophorulus coarctatus magnus* (Fedorenko, 1973)  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
Syn.: *Philopterus magnus* Fedorenko, 1973  
*Lanius minor*
- Docophorulus cumulatus* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Emberiza calandra calandra*: Polen; Bulgarien;  
England
- Docophorulus curvirostrae* (Schrank, 1776), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Loxia curvirostra curvirostra*: Polen; DDR
- Docophorulus emiliae* (Balat, 1955), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Prunella collaris collaris*: Tschechoslowakei



- Docophorulus fortunatus* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Fringilla coelebs coelebs: Polen
- Docophorulus fringillae* (Scop.)  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key
- Docophorulus fringillae fringillae* (Scopoli, 1772), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
Passer domesticus domesticus: Polen; DDR;  
England; Schweiz; Finnland  
P. domesticus italiae: Italien
- Docophorulus fringillae montani* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
Syn.: D. montani Zlotorzyska, 1964  
Passer montanus montanus: Polen; DDR
- Docophorulus hamatus* (Packard, 1870), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Plectrophenax nivalis: ?Helgoland; Finnland
- Docophorulus hanzaki* (Balat, 1955)  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Anthus spinoletta
- Docophorulus linariae* (Piaget, 1885), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Acanthis flammea flammea: Polen
- Docophorulus mandarinus* Giglioli, 1864  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
as syn. of D. merulae (Denny, 1842)
- Docophorulus merulae* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Syn.: D. mandarinus Giglioli, 1864  
Turdus merula merula: Polen
- Docophorulus merulae bischoffi* Wd. Eichler, 1951  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
as syn. of D. bischoffi Wd. Eichler, 1951
- Docophorulus mirificus* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Acrocephalus palustris: Polen
- Docophorulus modularis* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Prunella modularis modularis: Polen
- Docophorulus montani* Zlotorzyska, 1964  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
as syn. of D. fringillae montani Zlotorzyska, 1964
- Docophorulus necopinatus* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Acrocephalus schoenobaenus: Polen
- Docophorulus ornatus* (Nitzsch, 1866), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Oriolus oriolus oriolus: Polen; Bulgarien
- Docophorulus pallescens* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Parus palustris palustris  
P. major major
- Docophorulus passerinus* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Motacilla alba alba: Polen
- Docophorulus pavidus* Zlotorzyska, 1964  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Syn.: Docophorus passerinus Denny, 1842 (Part.)  
Motacilla flava
- Docophorulus pyrrhulae* (Schrank, 1776), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Pyrrhula pyrrhula europaea: UdSSR; DDR  
Pyrrhula pyrrhula pyrrhula: Polen
- Docophorulus rapax* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Fringilla montifringilla: Polen; Tschechoslowakei
- Docophorulus reguli* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Regulus regulus regulus: Polen
- Docophorulus residuus* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, Polskie Pismo Entom., v. 46 (2), 261-318  
key  
Emberiza schoeniclus schoeniclus: Polen

- Docophorulus rubeculae* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Erithacus rubecula rubecula*: Polen
- Docophorulus rutteri* (Kellogg, 1899), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Parus montanus ssp.*: Polen
- Docophorulus stadleri* Wd. Eichler 1959, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Alauda arvensis arvensis*: Tschechoslowakei;  
Finnland
- Docophorulus timmermanni* Zlotorzyska, 1964,  
illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Turdus iliacus iliacus*: Polen
- Docophorulus trigonophorus* (Giebel, 1874)  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
systematic position unclear  
*Lanius senator*
- Docophorulus turdi* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Turdus philomelos philomelos*: Polen
- Docophorulus vernus* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Turdus viscivorus viscivorus*: Polen
- Docophorulus vultuosus* Zlotorzyska, 1964, illus.  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
key  
*Anthus trivialis trivialis*: Polen; Tschecho-  
slowakei
- Docophorus cygni* Denny, 1842  
Martin Mateo, M. P., 1975, *Rev. Iber. Para-  
sitol.*, v. 35 (1-2), 41-79  
as syn. of *Anatoecus cygni* (Denny, 1842)
- Docophorus passerinus* Denny, 1842 (Part.)  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
as syn. of *Docophorus pavidus* Zlotorzyska,  
1964
- Domrownysus dentatus* (Domrow)  
Beveridge, I.; and Barker, I. K., 1976,  
*Austral. J. Zool.*, v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stu-  
artii*, seasonal and sex-related variations  
in numbers of helminths, parasites unlikely  
directly involved in seasonal mortality of  
male host; ectoparasites may contribute to  
anemia in hosts  
*A. stuartii* (nasal cavity): Powelltown,  
Victoria
- Doratopsylla blarinae*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, *J. Elisha Mitchell  
Scient. Soc.*, v. 91 (1), 13-17  
*Blarina brevicauda*: Fires Creek area, Nan-  
tahala Mountains, North Carolina
- Doratopsylla dasyncema* (Rothschild 1897)  
Artz, V., 1975, *Entom. Germanica*, v. 1 (2),  
105-143  
ectoparasites of small mammals, prevalence  
in relation to ecological factors (geology,  
soil type, vegetation patterns), family of  
host and sex of host; technique for live  
parasitism rates  
*Clethrionomys glareolus*  
*Sorex araneus*  
*Mustela nivalis*  
all from Schleswig-Holstein
- Doratopsylla dasyncema* (Roths.)  
Haitlinger, R., 1975, *Polskie Pismo Entom.*, v.  
45 (2), 373-396  
seasonal variance  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Sorex araneus*  
*S. minutus*  
*S. alpinus*  
*Neomys fodiens*  
*Crocidura suaveolens*  
all from Gory Sowie
- Doratopsylla dasyncema dasyncema* (Rothschild)  
Hallas, T. E.; and Bang, P., 1976, *Flora og  
Fauna*, Kobenhavn, v. 82 (1), 11-18  
*Apodemus agrarius*  
*Mus musculus*  
all from eastern Denmark
- Doratopsylla dasyncema dasyncema* Rothschild  
Szabo, I., 1972, *Parasitol. Hungar.*, v. 5,  
329-347  
*Apodemus flavicollis*  
*Clethrionomys glareolus*  
*Crocidura leucodon*  
*C. suaveolens*  
*Neomys anomalus milleri*  
*Sorex araneus*  
all from Sopron and environments, west Hun-  
gary
- Dorcadia ioffi* Smit, illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-  
Grandjean, P. H., 1972, *J. Med. Entom.*, v. 9  
(6), 487-494

*Doropygus* Thorell 1859

Jones, J. B., 1974, N. Zealand J. Marine and  
Freshwater Research, v. 8 (2), 255-273  
key; key to New Zealand species, females

*Doropygus pulex* Thorell 1859

Jones, J. B., 1974, N. Zealand J. Marine and  
Freshwater Research, v. 8 (2), 255-273  
key

*Doropygus globosus* n. sp., illus.

Jones, J. B., 1974, N. Zealand J. Marine and  
Freshwater Research, v. 8 (2), 255-273  
key  
*Corella eumyota* (branchial basket): Fort  
Dorset, Wellington Harbour, New Zealand

*Doropygus trisetosus* Schellenberg 1922

Jones, J. B., 1974, N. Zealand J. Marine and  
Freshwater Research, v. 8 (2), 255-273  
key

*Doropygus platythorax* n. sp., illus.

Jones, J. B., 1974, N. Zealand J. Marine and  
Freshwater Research, v. 8 (2), 255-273  
key  
*Pyura rugata*  
*P. cancellata*  
*Asterocarpa cera*  
*Cnemidocarpa nisiotis*  
(branchial basket of all): all from Welling-  
ton Harbour, New Zealand

*Dromicimyobia* subg. n.

Fain, A., 1973, Rev. Zool. et Botan. Afri-  
caines, v. 87 (3), 614-621  
subg. of *Archemyobia*  
tod: *Archemyobia* (D.) *dromiciops* sp. n.

*Dysmicus* Jordan 1942

Lewis, R. E., 1976, J. Parasitol., v. 62 (6),  
1003-1009  
subgenus of *Ectinorus*



- Echidnophaga* Olliff, 1886  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, key to Australian species, diagnosis
- Echidnophaga* Olliff  
Sanford, L. G.; and Hays, K. L., 1974, Bull.  
(458) Alabama Agric. Exper. Station, 3-42  
brief description, key
- Echidnophaga ambulans* Olliff, 1886  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Echidnophaga a. ambulans* Olliff  
1886
- Echidnophaga ambulans ambulans* Olliff, 1886,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *E. ambulans* Olliff,  
1886  
*Tachyglossus aculeatus*: Australian Capital  
Territory  
*Echidna hystrix*: New South Wales  
*E. aculeatus*: Victoria  
*Oryctolagus cuniculus*: New South Wales
- Echidnophaga ambulans inepta* M. Rothschild, 1936,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
possum: Western Australia
- Echidnophaga aranka* M. Rothschild, 1936, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Bettongia lesueuri*: Western Australia
- Echidnophaga calabyi* Mardon and Dunnett, 1971,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Lasiiorhinus hirsutus*  
*L. ursinus*  
all from South Australia
- Echidnophaga cornuta* Wagner, 1936, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Lasiiorhinus latifrons*  
*L. hirsutus*  
*L. ursinus*  
*Vombatus hirsutus*  
all from South Australia
- Echidnophaga eyrei* Mardon and Dunnett, 1971,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
wombat (most likely *Vombatus ursinus*)  
*Rattus alexandrinus*  
all from South Australia
- Echidnophaga gallinacea*  
Coultrip, R. L.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors  
and reservoir hosts of Rocky Mountain spotted  
fever and sylvatic plague, serological  
evidence for presence of rickettsial agent  
but presence of plague not demonstrated  
*Didelphis marsupialis*  
*Spermophilus beecheyi*  
*Peromyscus truei*  
*Urocyon cinereoargenteus*  
*Taxidea taxus*  
*Spilogale putorius*  
*Mephitis mephitis*  
*Felis domesticus*  
all from Fort Ord, California
- Echidnophaga gallinacea* (Westwood, 1875), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *Sarcopsyllus galli-*  
*naceus* Westwood, 1875  
*Phascogale penicillata*: Western Australia  
*Oryctolagus cuniculus*: New South Wales;  
Western Australia; Victoria  
*Felis catus*: New South Wales  
*Canis familiaris*: New South Wales  
*Cheramoeca leucosternum*: New South Wales  
fowl: New South Wales; South Australia;  
Western Australia  
poultry: Queensland  
hen: South Australia
- Echidnophaga gallinacea* (Westwood)  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
*Spermophilus variegatus*  
*Bassariscus astutus*  
all from west of Rio Grande in and near  
Jemez Mts., New Mexico
- Echidnophaga gallinacea*  
Reinhardt, C. A., 1976, Acta Trop., v. 33 (2),  
105-132  
*Xenopsylla cheopis*, *Echidnophaga gallinacea*,  
*Tunga penetrans*, ultrastructure of midgut  
epithelium in relation to feeding behavior  
patterns (temporary vs. stationary parasites)
- Echidnophaga gallinacea* (Westwood), illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull.  
(458) Alabama Agric. Exper. Station, 3-42  
description  
*Didelphis virginiana*  
*Procyon lotor*  
*Canis familiaris*  
*Vulpes fulva*  
*Felis domestica*  
*Rattus norvegicus*  
*Sylvilagus floridanus*  
*Urocyon cinereoargenteus*  
all from Alabama
- Echidnophaga gallinacea* (Westwood, 1875), illus.  
Smit, F. G. A. M., 1977, Rev. Zool. Africaine,  
v. 91 (1), 198-199  
*Echidnophaga gallinacea*, abnormal chaetotaxy  
of distitarsomeres  
+*Merops bullockoides* (nest): Hewett Farm,  
Gilgil (0.29 S 36.19 E, in Rift Valley west of  
Aberdare Range), Kenya

- Echidnophaga gallinacea*  
Stone, J. E.; and Pence, D. B., 1977, J. Parasitol., v. 63 (3), 463  
Felis rufus: near Benjamin, Knox County, west Texas
- Echidnophaga liopus* Jordan and Rothschild, 1906, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
Echidna aculeata: Western Australia
- Echidnophaga macronychia* Jordan and Rothschild, 1906, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
Bettongia lesueuri: Western Australia
- Echidnophaga myrmecobii* Rothschild, 1909, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
Macropus giganteus: Victoria  
Trichosurus vulpecula: South Australia; Victoria; Western Australia  
Pseudocheirus laniginosus: Victoria  
possum: Victoria  
Vombatus hirsutus: South Australia  
Dasyurus maculatus: New South Wales; Victoria  
Rattus rattus: New South Wales; Queensland  
Rattus alexandrinus: South Australia  
Mus musculus: Western Australia  
Leporillus jonesi: South Australia  
Vulpes vulpes: Victoria
- Oryctolagus cuniculus: South Australia; Victoria; Western Australia; New South Wales; Queensland  
Felis catus: New South Wales; South Australia  
Canis familiaris: Australian Capital Territory; New South Wales; Queensland  
fox: New South Wales  
Homo sapiens: New South Wales; South Australia
- Echidnophaga myrmecobii* Rothschild  
Shepherd, R. C. H.; et al., 1977, J. Austral. Entom., v. 16 (1), 1-5  
Lepus europaeus: Meringur, Mallee
- Echidnophaga octotricha* Mardon and Dunnet, 1971, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
"hosts [i.e. Lasiorhinus hirsutus and Vombatus hirsutus] are Lasiorhinus latifrons"  
Lasiorhinus hirsutus  
L. ursinus  
L. latifrons  
Vombatus hirsutus  
all from South Australia
- Echidnophaga oschanini* Wagn.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
Rhombomys opimus: Turkmenistan
- Echidnophaga oschanini* Wagn.  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
Citellus undulatus: Tuva
- Echidnophaga perilis* Jordan, 1925, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
"isolated record from Vombatus hirsutus presumably refers to Lasiorhinus latifrons"  
Vombatus hirsutus: South Australia  
Peragale lagotis: Western Australia  
Rattus alexandrinus: South Australia  
Oryctolagus cuniculus: New South Wales; Queensland; South Australia; Victoria  
Felis catus: New South Wales  
Canis familiaris: New South Wales; Queensland; Western Australia  
Vulpes vulpes: New South Wales; Victoria  
Tachyglossus aculeatus: Australian Capital Territory
- Echidnophaga tarda*  
Ashford, R. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 568-601  
white tailed mongoose: Kutaber area, Ethiopia
- Echimyopus nyctomys*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
Sciurus niger  
S. carolinensis  
all from Indiana
- Echinacarinae* new subfamily  
Peterson, P. C., 1972, Steenstrupia, v. 2 (14), 197-205  
Alloptidae  
includes: Echinacarus Dubinin, 1949 (type genus)
- Echinacarus* Dubinin, 1949 (type genus)  
Peterson, P. C., 1972, Steenstrupia, v. 2 (14), 197-205  
Alloptidae, Echinacarinae new subfamily redefined
- Echinacarus petaliferus* (Trouessart) illus.  
Peterson, P. C., 1972, Steenstrupia, v. 2 (14), 197-205  
synonymy, redescription  
Diomedea albatrus: Korea; St. Paul Is., Bering Sea  
D. immutabilis: Midway Is.; Laysan Is.  
D. irrorata: Talara, Peru; Isleos de Tierra, Peru  
D. nigripes: Wake Is.; North Pacific
- Echinacarus rubidus* (Trouessart), illus.  
Peterson, P. C., 1972, Steenstrupia, v. 2 (14), 197-205  
synonymy, redescription  
Diomedea chlororhynchus: Broken Bay, New South Wales  
D. albatrus: Bonin Is., Pacific  
D. bulleri: New Zealand  
D. cauta: Broken Bay, New South Wales  
D. cauta salvini: Bounty Is., New Zealand  
D. chrysostoma: New Zealand  
D. epomophora: New Zealand  
D. immutabilis: Miyake-Jima Is., North Honshu, Japan; Laysan Is.  
D. melanophris melanophris: Pacific Ocean

- Echinacarus rubidus* (in part): Dubinin, 1949; 1953  
 Peterson, P. C., 1972, *Steenstrupia*, v. 2 (14), 197-205  
 as syn. of *Echinacarus petaliferus* (Trouessart)
- Echinacarus rubidus*, (in part): Dubinin, 1949 [et auct.]  
 Peterson, P. C., 1972, *Steenstrupia*, v. 2 (14), 197-205  
 as syn. of *Echinacarus rubidus* (Trouessart)
- Echinolaelaps* Ewing, 1929  
 Okereke, T. A., 1973, *J. Med. Entom.*, v. 10 (2), 117-123  
 subgenus of *Laelaps* sensu lato  
 synonymy, taxonomic status, diagnosis, key to Nigerian species
- Echinolaelaps* sp.  
 Okereke, T. A., 1971, *Bull. Entom. Soc. Nigeria*, v. 3 (1), 50-55  
*Dasymys incomtus*  
*Tatera kempii*  
 all from Ibadan Area, Western Nigeria
- Echinolaelaps echidninus* (Berlese)  
 Goff, M. L., 1975, *J. Med. Entom.*, v. 12 (1), 52-54  
*Rattus rattus*: Midway Islands
- Echinoloelaps echidninus*  
 Okereke, T. A., 1971, *Bull. Entom. Soc. Nigeria*, v. 3 (1), 50-55  
*Rattus rattus*: Ibadan Area, Western Nigeria
- Echinolaelaps echidninus* Ewing 1929  
 Okereke, T. A., 1973, *J. Med. Entom.*, v. 10 (2), 117-123  
 as syn. of *Laelaps* (*Echinolaelaps*) *echidnina* Berlese, 1887
- Echinolaelaps echidninus*, illus.  
 Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, *Rev. Iber. Parasitol.*, v. 34 (3-4), 245-252  
*Rhinolophus ferrum equinum*  
*Apodemus sylvaticus*  
 all from Spain
- Echinolaelaps echidninus* Berlese, 1887, illus.  
 Sanchez Acedo, C.; and Ramon Vericad, J., 1973, *Rev. Iber. Parasitol.*, v. 33 (1), 29-38  
*Apodemus sylvaticus*  
*raton casero*  
 all from Alto Aragon
- Echinolaelaps echidninus* subsp. *vitzthumi* Turk, 1950  
 Okereke, T. A., 1973, *J. Med. Entom.*, v. 10 (2), 117-123  
 as syn. of *Laelaps* (*Echinolaelaps*) *echidnina* Berlese, 1887
- Echinoloelaps giganteus*  
 Okereke, T. A., 1971, *Bull. Entom. Soc. Nigeria*, v. 3 (1), 50-55  
*Myomys daltoni*  
*Mastomys* sp.  
*Rattus rattus frugivorus*  
*Lemniscomys striatus*  
*Arvicanthis niloticus*  
*Dasymys incomtus*  
*Uranomys foxi*  
*Tatera kempii*  
 all from Ibadan Area, Western Nigeria
- Echinolaelaps giganteus*: Tipton, 1960  
 Okereke, T. A., 1973, *J. Med. Entom.*, v. 10 (2), 117-123  
 as syn. of *Laelaps* (*Echinolaelaps*) *gigantea* Berlese, 1918
- Echinolaelaps hirsti* Turk, 1950  
 Okereke, T. A., 1973, *J. Med. Entom.*, v. 10 (2), 117-123  
 as syn. of *Laelaps* (*Echinolaelaps*) *echidnina* Berlese, 1887
- Echinolaelaps hirsti* subsp. *ceylonicus* Turk, 1950  
 Okereke, T. A., 1973, *J. Med. Entom.*, v. 10 (2), 117-123  
 as syn. of *Laelaps* (*Echinolaelaps*) *echidnina* Berlese, 1887
- Echinoloelaps muricola*  
 Okereke, T. A., 1971, *Bull. Entom. Soc. Nigeria*, v. 3 (1), 50-55  
*Myomys daltoni*  
*Praomys tullbergi*  
*Mastomys* sp.  
*Hylomyscus* sp.  
*Rattus rattus*  
*Lemniscomys striatus*  
*Arvicanthis niloticus*  
*Dasymys incomtus*  
*Lophuromys sikapusi*  
*Uranomys foxi*  
*Mus* (*Leggada*) *musculoides*  
*Tatera kempii*  
*Cricetomys gambianus*  
 all from Ibadan Area, Western Nigeria
- Echinolaelaps muricola*: Tipton, 1960  
 Okereke, T. A., 1973, *J. Med. Entom.*, v. 10 (2), 117-123  
 as syn. of *Laelaps* (*Echinolaelaps*) *muricola* Tragardh, 1910
- Echinonyssus longisetosus* Mo, 1964  
 Domrow, R., 1976, *Oriental Insects*, v. 10 (2), 179-183  
 as syn. of *E. nasutus* Hirst, 1925
- Echinonyssus nasutus* Hirst, 1925  
 Domrow, R., 1976, *Oriental Insects*, v. 10 (2), 179-183  
 Syn.: *E. longisetosus* Mo, 1964
- Echinonyssus ratnami* sp. nov., illus.  
 Domrow, R., 1976, *Oriental Insects*, v. 10 (2), 179-183  
*Atherurus macrourus*: Selangor, Subang
- Echinophthirius horridus* Olfers  
 Bonner, W. N., 1972, *Oceanogr. and Marine Biol. Ann. Rev.*, v. 10, 461-507  
*Halichoerus grypus*  
*Phoca vitulina*  
 (skin of all): all from European waters
- Echinophthirius sericans* Meinert  
 Bonner, W. N., 1972, *Oceanogr. and Marine Biol. Ann. Rev.*, v. 10, 461-507  
*Halichoerus grypus* (skin): European waters



- Echthrogaleus coleoptratus*  
Russo, R. A., 1975, Calif. Fish and Game,  
v. 61 (4), 228-232  
*Prionace glauca*  
*Triakis semifasciata*  
all from California
- Ectinorus* Jordan 1942  
Lewis, R. E., 1976, J. Parasitol., v. 62 (6),  
1003-1009  
diagnosis
- Ectinorus* Jordan 1942  
Lewis, R. E., 1976, J. Parasitol., v. 62 (6),  
1003-1009  
subgenus of *Ectinorus*, key to species, in-  
cludes: *E. (E.) levipes* (J. & R., 1923); *E. (E.) splendidus* Smit 1968; *E. (E.) setosicornis* Jordan 1942; *E. (E.) hecate* Johnson 1957; *E. (E.) polymerus* Jordan 1942; *E. (E.) disjugis* Jordan 1942; *E. (E.) trionyx* Jordan 1942; *E. (E.) onychius* ssp.; *E. (E.) martini* sp. n.; *E. (E.) cocyti* (Rothschild 1904); *E. (E.) chilensis* sp. n.; *E. (E.) ineptus* Johnson 1957
- Ectinorus (Ectinorus) chilensis* sp. n., illus.  
Lewis, R. E., 1976, J. Parasitol., v. 62 (6),  
1003-1009  
key  
*Abrocoma bennetti*: 10 km W Tiltit, San-  
tiago Province, Chile
- Ectinorus (Ectinorus) martini* sp. n., illus.  
Lewis, R. E., 1976, J. Parasitol., v. 62 (6),  
1003-1009  
key  
*Aconaemys fuscus*: 25 km W Angol, Parque  
Nahuelbuta, Malleco Province, Chile
- Ectonyx* Brennan 1960  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Eichlerella* Conci, 1942  
Emerson, K. C.; and Price, R. D., 1975, Brigh-  
am Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of *Suricatoecus* Bedford, 1932
- Eltonella grossa* sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55  
(2), 299-304  
*Meriones crassus*: Khamadana and Adzhami,  
Iran
- Eltonella media* sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55  
(2), 299-304  
*Meriones crassus*: Nikhshekhra, Iran
- Eltonella potamophila* sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55  
(2), 299-304  
*Mus musculus*: Abadana (Darkhve), Iran
- Eltonella subtilissima* sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55  
(2), 299-304  
*Calomyscus bailwardi*: Isfakhana, Iran
- Eltonella tenera* sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55  
(2), 299-304  
*Meriones hurrianae*  
*Acomys dimidiatus*  
all from Chakhbekhera, Iran
- Elytrophora brachyptera* Gerstaecker, 1853  
Webb, B. F., 1976, Tasmanian Fish. Research, v.  
10 (1), 28  
*Allothunnus fallai* (upper anterior gill  
cavity): Tasmanian waters
- Emphyllia ctenophora* Koelbel, 1878  
Trilles, J. P., 1975, Bull. Mus. National  
Hist. Nat., Paris, 3. s. (290), Zool. (200),  
303-345  
as syn. of *Nerocila sundaica* Bleeker, 1857
- Enderleinellus* Fahrenholz, 1912  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key
- Enderleinellus euxeri* Ferris, 1919  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africaines, v. 87 (3), 425-455  
synonymy  
*Euxerus erythropus*: Dahomey; Nigeria
- Enderleinellus (Hoplophthirus) euxeri* Ferris,  
Hopkins, 1949  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africaines, v. 87 (3), 425-455  
as syn. of *Enderleinellus euxeri* Ferris, 1919
- Enderleinellus extremus* Ferris, 1919 (partim)  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
as syn. of *Enderleinellus insularis* Werneck
- Enderleinellus insularis* Werneck  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
Syn.: *Enderleinellus extremus* Ferris, 1919  
(partim)
- Enderleinellus longiceps*  
Whitaker, J. O., jr.; Spicka, E. J.; and  
Schmeltz, L. L., 1976, Proc. Indiana Acad.  
Sc., v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana
- Enderleinellus venezuelae* Ferris, 1919, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
diagnosis  
*Sciurus granatensis*: Venezuela
- Entonyssus asiaticus* Fain, 1960  
Stillier, D.; Lim, B. L.; and Nadchatram, M.,  
1977, Southeast Asian J. Trop. Med. and Pub.  
Health, v. 8 (1), 129-130  
first record of immature instars  
*Natrix chrysarga* (lungs, tracheae): Selan-  
gor, West Malaysia

- Eomenacanthus* Uchida, 1926  
 Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, *Parasitol. Schriftenr.*, v. 22, 1-160  
 lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *E. stramineus* (Nitzsch, 1818)
- Eomenacanthus stramineus*  
 Derylo, A., 1970, *Acta Parasitol. Polon.*, v. 17 (20-38), 301-313  
*Eomenacanthus stramineus*, *Menopon gallinae*, feeding on hens with fowl cholera, presence of cholera agent, *Pasteurella multocida*, on body surface and in gut and feces but not persisting in lice, possibility of transmission
- Eomenacanthus stramineus*, illus.  
 Derylo, A., 1975, *Przegl. Zool.*, v. 19 (2), 181-187
- Eomenacanthus stramineus*  
 Patyk, S.; and Kliszewski, W., 1976, *Med. Wet.*, v. 32 (8), 471-473  
 ectoparasites, domestic animals, control with enolophosphates IPO-62 and IPO-63
- Eomenopon denticulatum* Harrison, 1915  
 Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
 arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Trichoglossus haematodus*: New Hebrides
- Epicthys giganteus* Herklots, 1870  
 Trilles, J. P., 1975, *Bull. Mus. National Hist. Nat.*, Paris, 3. s. (290), *Zool.* (200), 303-345  
 as syn. of *Anilocra gigantea* (Herklots, 1870)
- Epicrosejus* Berlese  
 Athias-Henriot, C., 1977, *J. Austral. Entom. Soc.*, v. 16 (3), 225-235  
 Liroaspidae
- Epitedia* Jordan  
 Sanford, L. G.; and Hays, K. L., 1974, *Bull.* (458) *Alabama Agric. Exper. Station*, 3-42  
 brief description, key
- Epitedia stanfordi*  
 Egoscue, H. J., 1976, *Great Basin Nat.*, v. 36 (4), 475-480  
 fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Microtus longicaudus latus*  
 all from western Utah
- Epitedia stanfordi* Traub  
 Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
 fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Eutamias quadrivittatus*  
*Reithrodontomys megalotis*  
*Peromyscus maniculatus*  
*P. leucopus*  
*P. truei*  
 all from west of Rio Grande in and near Jemez Mts., New Mexico
- Epitedia wenmanni*  
 Buckner, R. L.; and Gleason, L. N., 1974, *Tr. Kentucky Acad. Sc.*, v. 35 (3-4), 70-75  
 seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
 all from Warren County, Kentucky
- Epitedia wenmanni* (Rothschild), illus.  
 Sanford, L. G.; and Hays, K. L., 1974, *Bull.* (458) *Alabama Agric. Exper. Station*, 3-42  
 description  
*Peromyscus polionotus*  
*P. gossypinus*  
*Neotoma floridana magister*  
 all from Alabama
- Epitedia wenmanni*  
 Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
*Peromyscus leucopus*  
*P. maniculatus*  
 all from Fires Creek area, Nantahala Mountains, North Carolina
- Epitedia wenmanni* Rothschild 1904  
 Winchell, E. J., 1977, *J. Parasitol.*, v. 63 (4), 756-757  
*Microtus breweri*: Muskeget Island, 5 miles west of Nantucket, Massachusetts
- Epitedia wenmanni wenmanni*  
 Basolo, F., jr.; and Funk, R. C., 1974, *Tr. Illinois State Acad. Sc.*, v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
 all from Coles County, Illinois
- Eremophthirius gerbilli* (Ferris)  
 Kim, K. C.; and Emerson, K. C., 1971, *J. Med. Entom.*, v. 8 (1), 7-16  
 as syn. of *Polyplax gerbilli* Ferris
- Eremophthirius stephensi* (Christophers & Newstead)  
 Kim, K. C.; and Emerson, K. C., 1971, *J. Med. Entom.*, v. 8 (1), 7-16  
 as syn. of *Polyplax stephensi* (Christophers & Newstead)
- Ereynetes malayi* (Fain et Nadchatram), illus.  
 Fain, A., 1970, *Acarologia*, v. 12 (2), 313-325
- Ereynetidae  
 Fain, A., 1970, *Acarologia*, v. 12 (2), 313-325  
 Ereynetidae, idiosomal chaetotaxy, new nomenclature proposed
- Ergasilus*  
 Johnson, S. K.; and Rogers, W. A., 1973, *Bull.* (445) *Alabama Agric. Exper. Station*, 74 pp.  
*Ergasilus*, review of taxonomy, distribution: Gulf of Mexico drainage basins
- Ergasilus* sp. cf. *lizae* (Form A)  
 Johnson, S. K.; and Rogers, W. A., 1973, *Bull.* (445) *Alabama Agric. Exper. Station*, 74 pp.  
 host specificity, distribution, parasite-host checklist  
*Mugil cephalus*: Bay St. Louis; Mobile Bay;  
 Choctawhatchee River; Pascagoula River  
*Mugil curema*: Mobile Bay

*Ergasilus* sp. cf. *lizae* (Form B)

Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
 host specificity, distribution, parasite-host checklist  
 Mugil cephalus: Mobile Bay; Sapelo Is., Georgia

*Ergasilus* sp. (probably *E. sieboldi* Nordmann, 1832), illus.

Simon Vicente, F.; Ramajo Martin, V.; and Encinas Grandes, A., 1973, Rev. Iber. Parasitol., v. 33 (4), 633-647  
 description  
 Barbus barbus bocagei (branquias): Rio Esla (Zamora)

*Ergasilus arthrosis*

Edwards, R. W.; Harley, J. P.; and Williams, J. C., 1977, Tr. Kentucky Acad. Sci., v. 38 (3-4), 132-135  
 Ictalurus punctatus (gills): Kentucky  
 River drainage

*Ergasilus arthrosis*

Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, Southwest. Nat., v. 22 (4), 525-535  
 Ictalurus punctatus  
 Aplodinotus grunniens  
 Micropterus salmoides  
 M. punctulatus  
 Lepomis gulosus  
 L. macrochirus  
 L. megalotis  
 L. microlophus  
 (gills of all): all from Eagle Mountain Lake, Texas

*Ergasilus arthrosis*

Harley, J. P., 1977, Tr. Kentucky Acad. Sci., v. 38 (3-4), 136-138  
 Pomoxis annularis (gills): Lake Wilgreen, Madison County, Kentucky

*Ergasilus arthrosis* Roberts, 1969

Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
 host specificity, distribution, parasite-host checklist  
 Syn.: *Ergasilus spatula* Cressey, 1970  
 Ictalurus furcatus: Mobile Bay; Lower Coosa River  
 I. punctatus: Cahaba River; Lower Tombigbee River; Pascagoula River; Upper Pearl River; Lower Tallapoosa River; Lower Coosa River  
 Pylodictis olivaris: Lower Coosa River; Lower Tallapoosa River  
 Aphredoderus sayanus: Bay St. Louis  
 Labidesthes sicculus: Mobile-Tensaw River  
 Morone mississippiensis: Bay St. Louis; Pascagoula River  
 M. saxatilis: Mobile-Tensaw River  
 Lepomis gulosus: Blackwater River; Mobile-Tensaw River  
 L. macrochirus: Blackwater River; Black Warrior River; Mobile Bay; Escambia River  
 L. marginatus: Blackwater River; Perdido River  
 L. megalotis: Lower Tombigbee River  
 L. microlophus: Lower Tombigbee River; Blackwater River; Mobile-Tensaw River; Pascagoula River; Bay St. Louis  
 L. punctatus: Blackwater River; Pascagoula River

*Ergasilus arthrosis* Roberts, 1969-- Continued.

Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
 Micropterus punctulatus: Lower Tombigbee River; Upper Tombigbee River; Black Warrior River  
 M. salmoides: Blackwater River; Upper Tombigbee River; Lower Tombigbee River; Mobile-Tensaw River; Mobile Bay  
 Pomoxis nigromaculatus: Mobile-Tensaw River  
 Percina caprodes: Pascagoula River  
 Caranx hippos: Pascagoula River  
 Achirus lineatus: Mobile-Tensaw River; Bay St. Louis  
 Morone chrysops: Mississippi

*Ergasilus caeruleus* Wilson, 1911

Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
 host specificity, distribution, parasite-host checklist  
 Aphredoderus sayanus: Leaf River; Pascagoula River; Upper Pearl River  
 Lepomis auritus: Lower Chattahoochee River  
 L. cyanellus: Lower Tombigbee River; Leaf River; Chickasawhay River; Big Black, Miss.  
 L. gulosus: Leaf River; Lower Pearl River  
 L. macrochirus: Upper Alabama River; Lower Tombigbee River; Upper Tombigbee River; Escambia River; Chickasawhay River; Leaf River; Lower Chattahoochee River  
 L. marginatus: Upper Alabama River  
 L. megalotis: Leaf River; Pascagoula River; Chickasawhay River; Lower Tallapoosa River  
 L. microlophus: Leaf River  
 L. punctatus: Lower Tallapoosa River; Upper Tombigbee River; Lower Tombigbee River; Cahaba River; Upper Chattahoochee River; Leaf River; Escatawpa River; Pascagoula River; Bay St. Louis; Biloxi Bay; Lower Chattahoochee River  
 Pomoxis annularis: Upper Tombigbee River; Upper Alabama River; Lower Tallapoosa River; Leaf River  
 P. nigromaculatus: Lower Tallapoosa River; Black Warrior River; Upper Tombigbee River  
 Percina nigrofasciata: Leaf River

*Ergasilus celestis* Mueller, 1936

Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
 host specificity, distribution, parasite-host checklist  
 Anguilla rostrata: Bay St. Louis; Leaf River; Upper Pearl River; Escatawpa River; Lower Tallapoosa River; Lower Coosa River; Choctawhatchee River

*Ergasilus centrarchidarum* Wright 1882

Cloutman, D. G.; and Becker, D. A., 1977, J. Parasitol., v. 63 (2), 372-376  
*Ergasilus centrarchidarum* on *Micropterus salmoides* and *M. punctulatus*, some ecological aspects: host specificity; abundance related to host age and sex; seasonal abundance and egg production, optimum temperatures; no evidence of antagonism with other concomitant species of gill parasites: Lake Fort Smith, Crawford County, Arkansas



- Ergasilus centrarchidarum* Wright, 1882  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Morone chrysops: Upper Tallapoosa River  
Centrarchus macropterus: Lower Chattahoochee River; Leaf River; Upper Pearl River  
Lepomis cyanellus: Leaf River  
L. gulosus: Black Warrior River  
L. macrochirus: Choctawhatchee River; Lower Chattahoochee River  
L. punctatus: Choctawhatchee River  
Micropterus punctulatus: Upper Tallapoosa River; Leaf River  
M. salmoides: Choctawhatchee River; Upper Tombigbee River; Leaf River; Lower Chattahoochee River; Lower Tallapoosa River  
Pomoxis annularis: Lower Tallapoosa River  
P. nigromaculatus: Lower Tallapoosa River; Upper Chattahoochee River  
Lepomis auritus: U. Chattahoochee, Alabama--Lee County
- Ergasilus cerastes* Roberts, 1969  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Ictalurus furcatus: Bay St. Louis  
I. punctatus: Mobile-Tensas River  
I. catus: Ashley, S. C.--Charleston County
- Ergasilus clupearum* Johnson and Rogers, 1972  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Alosa chrysochloris: Mobile Bay  
Dorosoma cepedianum: Lower Tallapoosa River  
D. petenense: Lower Chattahoochee River  
Ictalurus nebulosus: Potomac, Unk.
- Ergasilus cyprinaceus* Rogers, 1969  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Campostoma anomalum: Upper Tombigbee River  
Hybopsis storeriana: Leaf River  
H. winchelli: Leaf River  
Nocomis leptocephalus: Lower Tallapoosa River; Leaf River  
Notemigonus crysoleucas: Leaf River  
Notropis baileyi: Upper Tombigbee River; Lower Tombigbee River; Lower Tallapoosa River  
N. chrysocephalus: Leaf River  
N. longirostris: Leaf River  
N. hypsilepis: Lower Chattahoochee River  
N. roseipinnis: Chickasawhay River; Leaf River  
N. texanus: Leaf River; Chickasawhay River; Lower Tallapoosa River  
N. venustus: Leaf River  
N. zonistius: Upper Chattahoochee River  
Pimephales vigilax: Leaf River  
Semotilus atromaculatus: Lower Tallapoosa River; Upper Pearl River; Chickasawhay River  
Ictalurus natalis: Upper Pearl River; Lower Pearl River  
I. nebulosus: Choctawhatchee River; Escambia River  
Noturus nocturnus: Upper Pearl River  
Fundulus olivaceus: Black Warrior River; Chickasawhay River  
Notropis atherinoides: Mississippi, Cahoma Co.
- Ergasilus elongatus* Wilson, 1916  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Polyodon spathula: Lower Tallapoosa River
- Ergasilus elongatus*  
Lockard, L. L.; and Parsons, R. R., 1975, Great Basin Nat., v. 35 (4), 425-428  
Polyodon spathula: Yellowstone River near Intake, Montana
- Ergasilus felichthys* (Pearse, 1947)  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Bagre marinus: Mobile Bay; Mississippi Sound; Bay St. Louis
- Ergasilus funduli* Kroyer, 1863  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Adinia xenica: Mobile Bay  
Cyprinodon variegatus: Pascagoula River; Perdido River  
Fundulus grandis: Mobile Bay; Escambia River; Pascagoula River; Appalachicola River  
F. pulvereus: Bay St. Louis  
F. similis: Escambia River; Mississippi Sound; Mobile Bay; Appalachicola River  
Lucania parva: Blackwater River; Choctawhatchee River; Escambia River  
Gambusia affinis: Escambia River  
Poecilia latipinna: Mobile Bay; Pascagoula River; Escambia River  
Menidia beryllina: Mobile Bay; Pascagoula River; Bay St. Louis  
Gobiosoma boscii: Mississippi Sound  
Fundulus heteroclitus: Sapelo Is., Georgia  
Mugil cephalus: Sapelo Is., Georgia
- Ergasilus funduli*  
Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451  
crustacean parasites of Mugil cephalus, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia
- Ergasilus labracis* Kroyer  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
Morone saxatilis: Cooper, S. C.--Berkeley Co.
- Ergasilus labracis* Kroyer, illus.  
Paperna, I.; and Zwerner, D. E., 1976, Canad. J. Zool., v. 54 (4), 449-462  
*Ergasilus labracis*, distribution, seasonal abundance, host age, life cycle, developmental stages (free-living and on Morone saxatilis), laboratory studies on egg development, hatching, naupliar survival, and adult female survival; effects of temperature and salinity  
Morone saxatilis (gills): lower Chesapeake Bay  
M. americanus: Potomac River

- Ergasilus lanceolatus* Wilson, 1916  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Hiodon tergisus: Upper Pearl River
- Ergasilus lizae* Kroyer, 1863, illus.  
Hanan, D. A., 1976, Bull. South. Calif. Acad. Sc., v. 75 (1), 22-28  
Cymatogaster aggregata: Anaheim Bay and Huntington Harbor, California
- Ergasilus lizae* Kroyer, 1863  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Cyprinodon variegatus: Escambia River  
Fundulus grandis: Mobile-Tensaw River  
Lepomis macrochirus: Mobile Bay  
Leiostomus xanthurus: Pascagoula River; Perdido River; Bay St. Louis; Mobile-Tensaw River  
Lagodon rhomboides: Pascagoula River  
Mugil cephalus: Bay St. Louis; Mobile Bay; Choctawhatchee River; Escambia River; Pascagoula River  
Mugil curema: Mississippi Sound; Biloxi Bay; Mobile Bay
- Ergasilus lizae*  
Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451  
crustacean parasites of Mugil cephalus, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia
- Ergasilus luciopercarum* Henderson  
Buttner, J. K.; and Hamilton, R. W., 1976, Tr. Am. Fish. Soc., v. 105 (3), 491-493  
Oncorhynchus tshawytscha  
Perca flavescens  
Salmo gairdneri  
S. trutta  
all from Lake Michigan
- Ergasilus megaceros* Wilson, 1916  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
Dorosoma cepedianum: Lower Tallapoosa River  
Esox americanus: Leaf River; Lower Tombigbee River; Upper Alabama River  
E. niger: Leaf River  
Hybognathus nuchalis: Chickasawhay River; Lower Tombigbee River  
Hybopsis storeriana: Lower Tombigbee River; Leaf River  
Pimephales notatus: Lower Tallapoosa River  
P. vigilax: Lower Alabama River  
Notropis bellus: Lower Tallapoosa River  
N. edwardraneyi: Lower Tombigbee River  
N. emilae: Lower Tombigbee River; Upper Tombigbee River; Pascagoula River  
N. roseipinnis: Leaf River  
N. shumardi: Upper Tombigbee River  
N. texanus: Leaf River; Biloxi Bay; Upper Pearl River; Escambia River; Lower Tallapoosa River; Upper Alabama River
- Ergasilus megaceros* Wilson, 1916.-- Continued.  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
N. venustus: Black Warrior River; Biloxi Bay; Leaf River  
Erimyzon oblongus: Upper Pearl River; Upper Chattahoochee River  
E. suetta: Pascagoula River; Leaf River  
Moxostoma sp. cf. poecilurum: Lower Chattahoochee River  
Ictalurus melas: Lower Tallapoosa River  
Cycleptus elongatus: Mississippi, Warren Co.
- Ergasilus minor*  
Wissmath, P., 1975, Fisch u. Umwelt (1), 127-134  
parasitic Crustacea of freshwater fish, descriptions, life cycles, pathology, control, review: Germany
- Ergasilus nanus* van Beneden, 1870, illus.  
Raibaut, A.; Ben Hassine, O. K.; and Prunus, G., [1976], Bull. Soc. Zool. France, v. 100 (4), 1975, 427-437  
Ergasilus nanus, Mugil cephalus (gills), infestation dependent upon water temperature and salinity, parasite number increases with host size: lake Ischkeul, Tunisia
- Ergasilus nerkae* Roberts  
Buttner, J. K.; and Hamilton, R. W., 1976, Tr. Am. Fish. Soc., v. 105 (3), 491-493  
Oncorhynchus kisutch: Lake Michigan
- Ergasilus nerkae* Roberts, 1963  
Mudry, D. R.; and Anderson, R. S., 1977, J. Fish Biol., v. 11 (1), 21-33  
Salmo gairdneri  
Salvelinus namaycush  
all from Jasper National Park, Canada
- Ergasilus sieboldi* Nordmann, 1832  
Dabrowska, Z., 1970, Acta Parasitol. Polon., v. 17 (20-38), 189-193  
Tinca tinca  
Esox lucius  
(gills of all): all from Vistula River near Warsaw
- Ergasilus sieboldi* Nordmann, 1832  
Ejsymont, L., 1970, Acta Parasitol. Polon., v. 17 (20-38), 203-216  
Silurus glanis (gills): river Biebrza basin, Poland
- Ergasilus sieboldi* Nordmann  
Michajlow, W.; and Wita, I., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 24 (2), 113-116  
Ergasilus sieboldi and its hyperparasite Paradistigma triangulatum, survival in water contaminated with Vapam at various concentrations  
Esox lucius (gills): Masurian lakes (Swiecajty, Niegocin)
- Ergasilus sieboldi*, illus.  
Wissmath, P., 1975, Fisch u. Umwelt (1), 127-134  
parasitic Crustacea of freshwater fish, descriptions, life cycles, pathology, control, review: Germany

- Ergasilus spathula* [i.e., ? spatulus] Cressey, 1970  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
as syn. of *Ergasilus arthrosis* Roberts, 1969
- Ergasilus tenax*  
Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, Southwest. Nat., v. 22 (4), 525-535  
*Pomoxis annularis* (gills): Eagle Mountain Lake, Texas
- Ergasilus tenax* Roberts, 1965  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
*Esox niger*: Lower Tallapoosa River  
*Lepomis gulosus*: Leaf River  
*L. macrochirus*: Leaf River  
*L. megalotis*: Leaf River; Chickasawhay River  
*L. microlophus*: Leaf River  
*L. punctatus*: Leaf River; Chickasawhay River  
*Pomoxis annularis*: Upper Tombigbee River; Upper Alabama River  
*P. nigromaculatus*: Mobile-Tensaw River; Lower Tallapoosa River
- Ergasilus versicolor* Wilson, 1911  
Baker, J. C.; and Crites, J. L., 1976, Proc. Helminth. Soc. Washington, v. 43 (1), 37-39  
*Ictalurus punctatus* (gills): island region of western Lake Erie
- Ergasilus versicolor* Wilson, 1911  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
*Lepisosteus osseus*: Lower Coosa River  
*Erimyzon oblongus*: Lower Chattahoochee River  
*E. sucetta*: Pascagoula River; Choctawhatchee River; Ochlockonee, Florida  
*E. tenuis*: Leaf River; Choctawhatchee River  
*Ictiobus bubalus*: Upper Tombigbee River  
*Minytrema melanops*: Upper Chattahoochee River; Escambia River; Leaf River; Lower Chattahoochee River; Flint, Georgia  
*Moxostoma* sp. cf. *poecilurum*: Upper Chattahoochee River; Lower Chattahoochee River  
*Moxostoma poecilurum*: Escatawpa River; Biloxi Bay; Escambia River  
*Ictalurus natalis*: Choctawhatchee River  
*I. nebulosus*: Choctawhatchee River; Upper Chattahoochee River; Lower Chattahoochee River  
*Mugil cephalus*: Escambia River; Bay St. Louis; Mobile Bay; Pascagoula River; Lower Pearl River; Sapelo Is., Georgia  
*Pogonias cromis*: Mobile Bay
- Ergasilus versicolor*  
Nagel, M., 1976, J. Parasitol., v. 62 (3), 494-495  
*Ictalurus punctatus*: Lake Texoma, Oklahoma
- Ergasilus versicolor*  
Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451  
crustacean parasites of *Mugil cephalus*, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia
- Ergasilus wareaglei* Johnson, 1973  
Johnson, S. K.; and Rogers, W. A., 1973, Bull. (445), Alabama Agric. Exper. Station, 74 pp.  
host specificity, distribution, parasite-host checklist  
*Hypentelium etowanum*: Cahaba River  
*H. nigricans*: Leaf River; Chickasawhay River
- Ericotrombidium pulchra* Shl.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Eristalis tenax*, illus.  
Hira, P. R., 1977, East African Med. J., v. 54 (4), 224-226  
*Eristalis tenax* in man resulting in rectal myiasis, clinical case report: Zambia
- Ernestinia eximia* Smit, 1953, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Erythraeoides* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Cryptotis parva parva*: Coles County, Illinois
- Esthiopterinae*  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key to genera and species from domestic birds: Spain
- Esthiopteron* Harrison, 1916, pro parte  
Tendeiro, J., 1977, Rev. Zool. Africaine, v. 91 (3), 704-712  
as syn. of *Turturicola* Th. Clay et Meinertzhagen, 1937
- Esthiopteron baculum* Harrison, 1916  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Columbicola columbae* (Linne, 1758)
- Esthiopteron brevicephalum* (McGregor, 1917)  
Forrester, D. J.; et al., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 55-59  
*Grus canadensis tabida*: Florida
- Esthiopteron brevicephalum* (McGregor, 1917)  
Forrester, D. J.; Bush, A. O.; and Williams, L. E., jr., 1975, J. Parasitol., v. 61 (3), 547-548  
*Grus canadensis pratensis*: Florida
- Esthiopteron domesticus* Wundrig, 1936  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Anaticola anseris* (Linne, 1758)
- Esthiopteron filiforme* Harrison, 1916  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Columbicola columbae* (Linne, 1758)



- Esthiopterum ibidis* Harrison  
Tandan, B. K., 1976, *System. Entom.*, v. 1 (1), 75-87  
as syn. of *Ardeicola ibis* (Le Souef & Bullen)
- Estrus. See Oestrus.
- Eucampsipoda penthetoris* Theodor, 1955  
Theodor, O., 1973, *J. Med. Entom.*, v. 10 (6), 556-569  
Penthetor lucasi  
Eonycteris spelaea  
all from Singapore
- Eucampsipoda sundaica* Theodor, 1955  
Theodor, O., 1973, *J. Med. Entom.*, v. 10 (6), 556-569  
Eonycteris spelaea: Batu caves, Selangor
- Eudusbabekia* n. sp.  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
Tadarida macrotis: Big Bend National Park, Texas
- Eudusbabekia centurio* sp. n.  
Fain, A., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 614-621  
Centurio senex: Tobago (Trinidad)
- Eudusbabekia chrotopterus* sp. n.  
Fain, A., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 614-621  
Chrotopterus auritus guianae: British Guiana
- Eudusbabekia ecuadorensis* sp. n.  
Fain, A., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 614-621  
Mormops megalophylla: Paramba, Ecuador
- Eudusbabekia mimon* sp. n.  
Fain, A., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 614-621  
Mimon bennetti: British Guiana
- Eudusbabekia phyllodermae* sp. n.  
Fain, A., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 614-621  
Phylloderma stenops: British Guiana
- Euhaemogamasus ambulans*: Keegan, 1951, partim  
Redington, B. C., 1971, *Acarologia*, v. 12 (4), 643-667  
as syn. of *Haemogamasus onychomydis* (Ewing, 1933)
- Euhaemogamasus ambulans*: Keegan, 1951, partim; Clark, 1958  
Redington, B. C., 1971, *Acarologia*, v. 12 (4), 643-667  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Euhaemogamasus ambulans* Keegan, 1951 (in part) (not Thorell, 1872)  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Haemogamasus onychomydis* (Ewing, 1933)
- Euhaemogamasus ambulans* Keegan, 1951 (in part) (not Thorell, 1872)  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Euhaemogamasus oregonensis* Ewing, 1933  
Redington, B. C., 1971, *Acarologia*, v. 12 (4), 643-667  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Euhaemogamasus oregonensis* Ewing, 1933  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Euhaemogamasus sciuropteri* Keegan, 1946  
Redington, B. C., 1971, *Acarologia*, v. 12 (4), 643-667  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Euhaemogamasus sciuropteri* Keegan, 1946  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Euhoplopsyllus glacialis affinis* (Baker)  
Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
Sylvilagus nuttallii  
Canis latrans  
C. familiaris  
Lynx rufus  
Felis catus  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Euhoplopsyllus glacialis exoticus* (Jordan & Rothschild, 1923), illius.  
Mendez, E.; and del Pino Encalada, R., 1977, *Pacific Insects*, v. 17 (2-3), 257-260  
comparison of Ecuadorian and Panamanian specimens  
Rattus norvegicus  
+rat (nest)  
Sylvilagus brasiliensis  
Didelphis marsupialis  
all from Province of Loja, Ecuador
- Euhoplopsyllus glacialis lynx* (Baker)  
Stone, J. E.; and Pence, D. B., 1977, *J. Parasitol.*, v. 63 (3), 463  
Felis rufus: near Benjamin, Knox County, west Texas
- Eulabidocarpus flexipes* Pinichpongse, 1963  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
as syn. of *Parakosa flexipes* (Pinichpongse)
- Eulaelaps ambulans*: Tragardh, 1910  
Redington, B. C., 1971, *Acarologia*, v. 12 (4), 643-667  
as syn. of *Haemogamasus nidi* Michael, 1892
- Eulaelaps kolpakovae* Breg.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975, *Zool. Zhurnal*, v. 54 (1), 124-127  
Lagurus lagurus: Karagandinsk oblast

- Eulaelaps stabularis* C. L. Koch  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk  
Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different land-  
scapes  
Rhombomys opimus: Turkmenistan
- Eulaelaps stabularis* (Koch)  
Amin, O. M., 1976, Great Lakes Entom.,  
v. 9 (4), 195-198  
Tamias striatus ohionensis  
Sorex cinereus  
all from Kenosha County, Wisconsin
- Eulaelaps stabularis* (L. Koch)  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
+Lagurus lagurus (nest): Karagandinsk oblast
- Eulaelaps stabularis* (C.L. Koch, 1836)  
Edler, A.; and Nilsson, A., 1973, Entom.  
Scand., v. 4 (4), 274-282  
ectoparasites of small mammals from two  
woodland habitats, seasonal variation, fre-  
quency and intensity of infestation, numer-  
ical comparison of ectoparasitic groups:  
southern Sweden
- Eulaelaps stabularis*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool.  
Zhurnal, v. 54 (1), 151-153  
Ochotona alpina: Western Sayan Mountains
- Eulaelaps stabularis* (Koch, 1836)  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-  
257  
Vulpes vulpes: Norge
- Eulaelaps stabularis*  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 265-  
274  
Meles meles: Norge
- Eulaelaps stabularis* (Koch)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4  
(2), 145-154  
Mus spp.: Orient  
Rattus norvegicus caraco: Korea
- Eulaelaps stabularis*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
Peromyscus maniculatus: Fires Creek area,  
Nantahala Mountains, North Carolina
- Eulaelaps stabularis* (Koch)  
Whitaker, J. O., jr.; and Schmeltz, L. L.,  
1974, Proc. Indiana Acad. Sc., v. 83, 1973,  
478-481  
Scalopus aquaticus (fur): Indiana
- Eulaelaps stabularis* (Koch, 1836)  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Eulinognathus aculeatus* (Neumann)  
Kim, K. C.; and Emerson, K. C., 1971, J. Med.  
Entom., v. 8 (1), 7-16  
synonymy  
Jaculus blanfordi: Iran
- Eurydiscalges* g. n.  
Faccini, J. L. H.; Gaud, J.; and Atyeo, W. T.,  
1976, Rev. Brasil. Biol., v. 36 (3), 701-707  
Analgidae, Analginae  
key to species, tod: E. opistoproctus sp. n.
- Eurydiscalges opistoproctus* sp. n. (tod), illus.  
Faccini, J. L. H.; Gaud, J.; and Atyeo, W. T.,  
1976, Rev. Brasil. Biol., v. 36 (3), 701-707  
key  
Pionites melanocephala pallida: Colombia
- Eurydiscalges pedanossomae* sp. n., illus.  
Faccini, J. L. H.; Gaud, J.; and Atyeo, W. T.,  
1976, Rev. Brasil. Biol., v. 36 (3), 701-707  
key  
Deroptus accipitrinus fuscifrons: Estado do  
Para, Brasil
- Eurydiscalges phalacrus* sp. n., illus.  
Faccini, J. L. H.; Gaud, J.; and Atyeo, W. T.,  
1976, Rev. Brasil. Biol., v. 36 (3), 701-707  
key  
Ara severa severa: Colombia
- Eurydiscalges pyrrhurae* sp. n., illus.  
Faccini, J. L. H.; Gaud, J.; and Atyeo, W. T.,  
1976, Rev. Brasil. Biol., v. 36 (3), 701-707  
key  
Pyrrhura leucotis leucotis: Estado de Minas  
Gerais, Brasil
- Euryparasitus* sp.  
Amin, O. M., 1976, Great Lakes Entom.,  
v. 9 (4), 195-198  
Zapus hudsonius intermedius  
Didelphis virginiana  
all from Kenosha County, Wisconsin
- Euryparasitus emarginatus* Koch.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
+Lagurus lagurus (nest): Karagandinsk oblast
- Euryparasitus goncharovi* sp. n., illus.  
Bondarchuk, A. S.; and Buiakova, T. G., 1976,  
Zool. Zhurnal, v. 55 (6), 927-930  
+[Microtus ungurensis] (nest): Kalarsk  
region, Chita oblast  
[Clethrionomys rutilus]: Kalarsk region,  
Chita oblast  
[Clethrionomys rufocanus]: Tungiro-Olekminsk  
and Kalarsk regions, Chita oblast
- Euryphorus nympha* H. M. Edwards, illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass.  
India, v. 6 (1), 61-83  
synonymy, description  
Coryphaena hippurus (branchial cavity):  
Vizhingom, and Trivandrum, South India
- Euryphylla Vercammen-Grandjean* 1967  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Eusaperium* Brennan 1970  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere

- Euschoengastia* Ewing 1938  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Euschoengastia* sp.  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Tamias striatus ohionensis*: Kenosha County, Wisconsin
- Euschoengastia* sp. nr. *sciuricola*  
Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298  
*Tamiasciurus douglasi*: Oregon
- Euschoengastia* n. sp. 8 (Wrenn & Loomis)  
Easton, E. R.; and Krantz, G. W., 1973, J. Med. Entom., v. 10 (2), 225-226  
*Euschoengastia* n. sp. 8, recovered from several hosts, possible public health importance, habitat, seasonal variance; control on horse with application of methoxychlor solution  
man  
horse  
*Odocoileus heminous*  
dog  
*Urocyon cinereoargenteus*  
all from Oregon
- Euschoengastia ambocalis* n. sp., illus.  
Wrenn, W. J.; and Loomis, R. B., 1973, J. Med. Entom., v. 10 (1), 97-100  
Syn.: *Euschoengastia californica*: Gould, 1956 [et auct.]  
*Neotoma lepida*: U.S.A., California (Imperial Co., Los Angeles Co., Orange Co., Riverside Co.)  
*Neotoma* sp.: U.S.A., California (Los Angeles Co.)  
*Reithrodontomys megalotis*: U.S.A., California (Los Angeles Co.)  
*Peromyscus maniculatus*: U.S.A., California (Los Angeles Co., Orange Co., San Bernardino Co., Riverside Co., Ventura Co.)  
*Dipodomys agilis*: U.S.A., California (Los Angeles Co.); Mexico, Baja California Norte  
*Perognathus californicus*: U.S.A., California (Los Angeles Co.); Mexico, Baja California Norte  
*Peromyscus eremicus*: U.S.A., California (Los Angeles Co., Orange Co., San Bernardino Co., Riverside Co., San Diego Co.); Mexico, Baja California Norte  
*Neotoma fuscipes*: U.S.A., California (Orange Co., San Bernardino Co., Riverside Co.)  
*Neotoma fuscipes macrotis*: U.S.A., California (San Diego Co.)  
*Peromyscus boylii*: U.S.A., California (Orange Co., San Bernardino Co.)  
*Peromyscus californicus*: U.S.A., California (Orange Co., Riverside Co.)  
*Peromyscus californicus insignis*: U.S.A., California (San Diego Co.)  
*Peromyscus crinitus*: U.S.A., California (San Bernardino Co., Riverside Co.)  
*Eutamias speciosus*: U.S.A., California (San Bernardino Co.)  
*Microtus californicus*: U.S.A., California (San Bernardino Co.)
- Euschoengastia ambocalis* n. sp.-- Continued.  
Wrenn, W. J.; and Loomis, R. B., 1973, J. Med. Entom., v. 10 (1), 97-100  
*Onychomys torridus*: U.S.A., California (San Bernardino Co.)  
*Perognathus fallax*: U.S.A., California (Riverside Co.)  
*Dipodomys merriami*: U.S.A., California (Riverside Co.)  
*Peromyscus truei*: U.S.A., California (Riverside Co.); Mexico, Baja California Norte  
*Citellus leucurus*: U.S.A., California (Riverside Co.)  
*Peromyscus* sp.: U.S.A., California (Ventura Co.)
- Euschoengastia californica*: Gould, 1956 [et auct.]  
Wrenn, W. J.; and Loomis, R. B., 1973, J. Med. Entom., v. 10 (1), 97-100  
as syn. of *Euschoengastia ambocalis* n. sp.
- Euschoengastia chisosensis* n. sp., illus.  
Wrenn, W. J.; Baccus, J. T.; and Loomis, R. B., 1976, Southwest. Nat., v. 21 (3), 301-309  
*Peromyscus pectoralis*: Chisos Mountains, Big Bend National Park, Brewster County, Texas (Pine Canyon; Boulder Meadow; Laguna Meadow)  
*P. boylii*: Pine Canyon, Chisos Mountains, Big Bend National Park, Brewster County, Texas  
*P. difficilis*: Pine Canyon, Chisos Mountains, Big Bend National Park, Brewster County, Texas
- Euschoengastia fronterizae* n. sp., illus.  
Wrenn, W. J.; Baccus, J. T.; and Loomis, R. B., 1976, Southwest. Nat., v. 21 (3), 301-309  
*Peromyscus difficilis*: Sierra Fronteriza Range, 40 km SE Boquillas del Carmen, Coahuila, Mexico
- Euschoengastia indicella* (Traub & Audy)  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
*Rattus tiomanicus*: North Borneo
- Euschoengastia jamesoni*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Blarina brevicauda*  
*Peromyscus maniculatus*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Euschoengastia jonesi*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex cinereus*  
*S. fumeus*  
*S. palustris*  
all from Fires Creek area, Nantahala Mountains, North Carolina



- Euschoengastia oregonensis* (Ewing)  
 Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298  
 Trombiculidae, comparison of incidence, hosts and seasonal activity in two diverse habitats  
*Eutamias townsendi*  
*Peromyscus maniculatus*  
*Clethrionomys occidentalis*  
*Microtus oregoni*  
*Sorex vagrans*  
*S. trowbridgii*  
 all from Oregon
- Euschoengastia peromysci*  
 Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
 all from Coles County, Illinois
- Euschoengastia peromysci*  
 Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
 seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
 all from Warren County, Kentucky
- Euschoengastia peromysci* (Ewing)  
 Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
 chiggers, scutal measurements  
*Peromyscus floridanus*: Gainesville, Florida
- Euschoengastia peromysci*  
 Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex palustris*  
*Peromyscus leucopus*  
*P. maniculatus*  
*Clethrionomys gapperi*  
*Napaeozapus insignis*  
 all from Fires Creek area, Nantahala Mountains, North Carolina
- Euschoengastia roluis* (Traub & Audy)  
 Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
 collected during survey for chiggers on North Borneo
- Euschoengastia rotundata* Schluger  
 Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, Zool. Zhurnal, v. 55 (8), 1157-1162  
*Clethrionomys rutilus*  
*C. rufocanus*  
 all from Priamurie
- Euschoengastia rubra*  
 Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Napaeozapus insignis*: Fires Creek area, Nantahala Mountains, North Carolina
- Euschoengastia setosa* (Ewing)  
 Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
 chiggers, scutal measurements: Gainesville, Florida
- Euschoengastia setosa*  
 Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Peromyscus maniculatus*: Fires Creek area, Nantahala Mountains, North Carolina
- Euschoengastia trigenua* Farrell  
 Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, Proc. Indiana Acad. Sc., v. 83, 1973, 478-481  
*Scalopus aquaticus* (fur): Indiana
- Euschoengastia velata* Brennan & Yunker  
 Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298  
*Peromyscus maniculatus*: Oregon
- Euschoengastoides Loomis* 1954  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in the Western Hemisphere
- Eustathia cultrifera* (Robin, 1868) Oudemans, 1905  
 Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Apus apus*: Moldavian SSR
- Eustathiidae*  
 Moss, W. W.; Peterson, P. C.; and Atyeo, W. T., 1977, System. Zool., v. 26 (4), 386-409  
*Eustathiidae*, application of numerical taxonomic techniques to obtain a classification, multivariate assessment of phenetic relationships within family
- Eutalpacus* Jameson, 1949  
 Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
 key
- Eutrichophilus cercolabes* Mjoberg, 1910, illus.  
 Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 key
- Eutrichophilus cercolabes*  
 Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Coendou* sp.: Minas Gerais, Brazil
- Eutrichophilus comitans* Werneck, 1950, illus.  
 Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 key
- Eutrichophilus cordiceps* Mjoberg, 1910, illus.  
 Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 key

- Eutrichophilus cordiceps*  
Whitaker, J. O., jr.; and Mumford, R. E.,  
1977, Entom. News, v. 88 (9-10), 255-258  
Coendou sp.: Minas Gerais, Brazil
- Eutrichophilus exiguus* Werneck, 1950, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
key
- Eutrichophilus guyanensis* Werneck, 1950, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
key
- Eutrichophilus lobatus* Ewing, 1936, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
key
- Eutrichophilus mazama* Stobbe, 1913  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of *Tricholipeurus lipeuroides* (Megnin)
- Eutrichophilus mexicanus* Mjoberg, 1910  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of *Tricholipeurus lipeuroides* (Megnin)
- Eutrichophilus minor* Mjoberg, 1910, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
key
- Eutrombicula* Ewing 1938  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Eutrombicula alfreddugesi* (Oudemans)  
Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
chiggers, scutal measurements  
Rodent[ia]: Tallahassee, Gainesville, and Lakeland, Florida
- Eutrombicula alfreddugesi*  
Hardison, J. L., 1977, Vet. Med. and Small Animal Clin., v. 72 (1), 47  
cat (head, ears)
- Eutrombicula alfreddugesi*  
Howell, F. G.; and Chapman, B. R., 1976, Southwest. Nat., v. 21 (3), 275-280  
Petrochelidon pyrrhonota: northwestern Texas
- Eutrombicula alfreddugesi*  
Loomis, R. B.; and Bennett, S. G., 1977, Bull. South. Calif. Acad. Sc., v. 76 (1), 69-72  
Sceloporus bulleri: Jalisco, Mexico (Nevado de Colima; 14.5 km W Atenquique)  
Barisia imbricata: 21 km W Atenquique, Jalisco, Mexico
- Eutrombicula alfreddugesi*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
Sciurus niger  
S. carolinensis  
all from Indiana
- Eutrombicula (Eutrombicula) batatas* (L.), illus.  
Confalonieri, U. E. C.; and Benez, E. J., 1976, Rev. Brasil. Biol., v. 36 (2), 353-355  
Equus caballus x Equus asinus (skin around eye and nostrils): State of Mato Grosso, Brazil
- Eutrombicula bitarsala* n. sp., illus.  
Loomis, R. B.; and Bennett, S. G., 1977, Bull. South. Calif. Acad. Sc., v. 76 (1), 69-72  
Barisia imbricata: Jalisco, Mexico (21 km W Atenquique; Nevado de Colima; Volcan del Fuego)  
Eumeces brevivirostris: Jalisco, Mexico (Nevado de Colima; 14.5 km W Atenquique)  
Sceloporus bulleri: 24 km W Atenquique, Jalisco, Mexico  
S. grammicus: 27 km W Atenquique, Jalisco, Mexico
- Eutrombicula splendens* (Ewing)  
Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
chiggers, scutal measurements  
Rodent[ia]: Tallahassee, Gainesville, and Lakeland, Florida
- Eutrombicula wichmanni* (Oudemans)  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
collected during survey for chiggers on North Borneo
- Evansiella* V-G., 1957  
Vercammen-Grandjean, P. H.; and Fieder, Z., 1973, Riv. Parassitol., Roma, v. 34 (2), 121-126  
as syn. of *Centrotrombidium* Kramer, 1896
- Ewingana amorphochilus* spec. nov., illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
Amorphochilus schnablii (museau): Grotte Socavon del Cerrito de la Rama, Diptorni di Lima, Peru
- Ewingana (Ewingana) australis* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
Tadarida australis: Nouvelle Guinee
- Ewingana (Doreyana) longipilis* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
Tadarida australis: Nouvelle Guinee

- Ewingana (Doreyana) simalurensis sp. n.  
 Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
 Cheiromeles jacobsoni: Lugu Simalur, Sumatra
- Exastinion clovisi  
 Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
 Anoura geoffroyi: Minas Gerais, Brazil
- Expletobia rhynchiscus spec. nov., illus.  
 Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
 Rhynchiscus naso: Santa Familia, Cayo, Honduras Britannique; Guyane Britannique
- Eyndhovenia euryalis Canestrini, 1884  
 Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
 Rhinolophus mehelyi: Azerbaidzhan
- Eyndhovenia euryalis (Can.)  
 Petrova, A. D.; and Taskaeva, E. Z., 1975, Biul. Moskov. Obsh. Ispyt. Prir., Otdel Biol., v. 80 (5), 58-64  
 Miniopterus schreibersii  
 Rhinolophus ferrumequinum tragatus  
 all from Kun'min, Yun'nan province (south-eastern Chinese People's Republic)
- Eyndhovenia sternalis sp. nov.  
 Petrova, A. D.; and Taskaeva, E. Z., 1975, Biul. Moskov. Obsh. Ispyt. Prir., Otdel Biol., v. 80 (5), 58-64  
 [fig. 1 inadvertently labelled Eyndhovenia sternalis sp. nov. instead of Paraperiglis-hrus [sic] sternalis sp. nov.]



- Fahrenholzia Kellogg and Ferris, 1915  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key
- Fahrenholzia schwartzi Werneck, 1952, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
Heteromys anomalus  
Zygodontomys brevicauda  
Proechimys semispinosus  
Oryzomys albigularis  
all from Venezuela
- Fainiella womersleyi Vercammen-Grandjean, 1953  
Vercammen-Grandjean, P. H., 1975, Rev. Zool. Africaine, v. 89 (2), 397-439  
as syn. of Walchia (Fainiella) womersleyi n. comb.
- Falculifer rostratus  
Gothe, R.; and Imhoff, N., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (22), 431-436  
arthropods, incidence in carrier pigeons, variation with host age: Germany
- Falculifer rostratus (Buchholz, 1869)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
Columba oenas: Chernovtzy oblast, Ukrainian SSR
- Farrellioides Vercammen-Grandjean 1960  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Fastigatosculum Keler, 1939  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Suricatoecus Bedford, 1932
- Fauranius Brennan and Lukoschus 1971  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Felicola Ewing, 1929  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy
- Felicola Ewing, 1929  
Zlotorzycka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: F. (F.) subrostratus (Nitzsch, 1818)
- Felicola felis (Werneck), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key, syn.: Trichodectes felis Werneck, 1934  
Felis yagouaroundi: Venezuela; Paraguay
- Felicola rostrata Bedford, 1932  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Felicola subrostratus (Burmeister)
- Felicola subrostratus (Burmeister), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Felistrophorus n. gen.  
Fox, I., 1977, Proc. Entom. Soc. Wash., v. 79 (2), 242-244  
Listrophoridae  
tod: F. radovskyi (Tenorio) [n. comb.]
- Felistrophorus radovskyi (Tenorio) [n. comb.] (tod), illus.  
Fox, I., 1977, Proc. Entom. Soc. Wash., v. 79 (2), 242-244  
Syn.: Lynxacarus radovskyi Tenorio  
Felis catus: northeastern Puerto Rico
- Fereus Brennan and Jones 1961  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Fleas  
Baker, K. P., 1977, Irish Vet. J., v. 31 (10), 141-147  
fleas, human hypersensitivity, dermatitis, clinical signs, epidemiology, diagnosis, histopathology, treatment, control, review
- Flea  
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, Entom. Scand., v. 4 (4), 302-322  
Amphipsylla sibirica sibirica from small mammals, castration and intersexuality due to hyperparasitism by nematodes, morphological changes  
Sorex araneus: Stora Sjöfallet National Park, Sweden; Straumsnes, Norway  
S. caecutiens: Stora Sjöfallet National Park, Sweden  
S. minutus: Stora Sjöfallet National Park, Sweden  
Clethrionomys glareolus: Stora Sjöfallet National Park, Sweden  
C. rutilus: Stora Sjöfallet National Park, Sweden  
C. rufocanus: Stora Sjöfallet National Park, Sweden; Straumsnes, Norway  
Microtus agrestis: Stora Sjöfallet National Park, Sweden; Straumsnes, Norway  
Neomys fodiens: Straumsnes, Norway  
Lemmus lemmus: Straumsnes, Norway  
Mustela nivalis: Straumsnes, Norway
- Fleas  
Prasad, R. S., 1971, Tr. Roy. Soc. Trop. Med. and Hyg., v. 65 (5), 679-680 [Letter]  
technique for assessing flea index of rats
- Fleas  
Reed, W. P.; et al., 1970, Medicine, Baltimore, v. 49 (6), 465-486  
role of fleas as vectors of human bubonic plague in southwestern United States

- Fleas**  
 von Reyn, C. F.; et al., 1976, Am. J. Epidemiol., v. 104 (1), 81-87  
 possible role of fleas as vectors of human bubonic plague in the United States
- Fleas**  
 von Reyn, C. F.; et al., 1976, Am. J. Trop. Med. and Hyg., v. 25 (4), 626-629  
 negative survey of small animals and their fleas as possible vectors of human plague (*Yersinia pestis*)  
*Peromyscus boylii*  
*P. leucopus*  
*Reithrodontomys megalotis*  
 all from Sandia Mountains, New Mexico
- Fleas**  
 von Reyn, C. F.; et al., 1977, J. Infect. Dis., v. 136 (4), 489-494  
 epidemiologic and clinical features of bubonic plague outbreak support the hypothesis that contact with flea infested domestic dogs and cats may result in direct or indirect transmission of plague to humans: New Mexico
- Fleas**  
 Rogers, L. L., 1975, J. Wildlife Dis., v. 11 (2), 189-192  
*Ursus americanus*: Michigan
- Fleas**  
 Saunders, E. B., 1977, Vet. Med. and Small Animal Clin., v. 72 (5), 879-881  
 hyposensitization of animals with immediate and delayed hypersensitivity to flea bites
- [Fleas] pulgas  
 Schenone, H.; and Reyes, H., 1967, Bol. Chileno Parasitol., v. 22 (2), 56-59  
 human ectoparasites, control measures, lindane: Chile
- Fonsecia Radford 1942**  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in the Western Hemisphere
- Fonsecia (Parasecia) gurneyi gurneyi (Ewing)**  
 Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
 chiggers, scutal measurements: Gainesville, Tallahassee, and Lakeland, Florida
- Fonsecia (F.) palmella Brennan and Loomis**  
 Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
 chiggers, scutal measurements: Tallahassee, Florida
- Frontopsylla (F.) [sp.] aff. tjanshanica Schw.**  
 Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
 fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Frontopsylla (Profrontia) ambigua Fedina, 1946**  
 Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
*Apodemus sylvaticus*  
*Alticola stoliczkanus*  
 all from Nepal
- Frontopsylla elata Jordan et Rothschild, 1915**  
 Skuratowicz, W., 1976, Polskie Pismo Entom., v. 46 (1), 25-27  
*Citellus* sp.: Ulan Bator, Mongolia
- Frontopsylla elata caucasica**  
 Avetisian, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
 fleas, seasonal and geographic distribution  
*Microtus nivalis*: Armenia
- Frontopsylla elata caucasica Joff et Arg.**  
 Marapulets, L. A.; and Cherchenko, I. I., 1970, Parazitologiya, Leningrad, v. 4 (3), 271-273  
 feeding activity on man of 6 spp. of fleas from the common vole, evaluation of probable importance in plague epidemiology
- Frontopsylla (Frontopsylla) elatoides Wagn.**  
 Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
 fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Frontopsylla frontalis Joff**  
 Poliakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
 rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transural plague focus  
*Meriones tamariscinus*: northeastern part of Caspian lowland
- Frontopsylla (Orfrontia) frontalis baikal Ioff**  
 Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
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*Citellus undulatus*: Tuva
- Frontopsylla (F.) hetera Wagn.**  
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- Frontopsylla luculenta parilis Jordan, 1929**  
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- Frontopsylla semura Wagn. et Joff**  
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*Rhombomys opimus*  
*Meriones tamariscinus*  
*Citellus pygmaeus*  
 all from northeastern part of Caspian lowland
- Frontopsylla (Frontopsylla) spadix gorkha n. ssp., illus.**  
 Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
*Apodemus gorkha*: Dhorpatan, Nepal  
*Rattus rattoides*: " "  
*Ochotona roylei*: Dhorpatan and Ulleri, Nepal  
*Apodemus sylvaticus*: Phoksumdo lake, Nepal  
*Mus musculus*: Thaksang, Nepal
- Frontopsylla (Frontopsylla) wagneri Ioff**  
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*Citellus undulatus*: Tuva

- Gabucinia delibata* (Robin, 1877)  
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*Picoides tridactylus*: Chernovtzy oblast, Ukrainian SSR
- Gahrlipeia* (*Schoengastiella*) *argalea* Traub & Morrow, 1957  
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Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities
- Gahrlipeia* (*Gahrlipeia*) *cetrata*  
Kundin, W. D.; Nadchatram, M.; and Keong, A., 1972, *J. Med. Entom.*, v. 9 (6), 558-559  
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- Gahrlipeia* (*Walchia*) *cuspidata*  
Kundin, W. D.; Nadchatram, M.; and Keong, A., 1972, *J. Med. Entom.*, v. 9 (6), 558-559  
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- Gahrlipeia* (*Walchia*) *disparunguis*  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 8 (2), 200-206  
*Rattus tiomanicus*  
*R. muelleri*  
*R. whiteheadi*  
*R. exulans*  
*R. argentiventer*  
*R. r. diardii*  
*R. rajah*  
*R. cremoriventer*  
all from North Borneo
- Gahrlipeia* *disparunguis*  
Hadi, T. R.; et al., 1976, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 7 (1), 113-114  
*Rattus rattus diardii*  
*R. norvegicus*  
all from Jakarta, Indonesia
- Gahrlipeia* (*Walchia*) *disparunguis disparunguis*  
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- Gahrlipeia* (*Walchia*) *disparunguis pingue*  
Hadi, T. R.; et al., 1976, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Rattus rattus diardii*  
all from Ancol, Jakarta, Indonesia
- Gahrlipeia* (*Gahrlipeia*) *fletcheri* (Gater, 1932)  
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- Gahrlipeia* (*Schoengastiella*) *gammonsi* Traub & Evans  
Sandhu, P. S.; and Kapoor, V. C., 1977, *Entom. News*, v. 88 (5-6), 151-152  
*Mus booduga*: Punjab, India
- Gahrlipeia* (*Gahrlipeia*) *insigne*  
Kundin, W. D.; Nadchatram, M.; and Keong, A., 1972, *J. Med. Entom.*, v. 9 (6), 558-559  
Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities
- Gahrlipeia* (*Walchia*) *micropelta*  
Harinasuta, C.; Guptavanij, P.; and Vasuvat, C., 1974, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 5 (1), 105-127  
*Rattus rattus*: mangrove areas of Thailand
- Gahrlipeia* (*Audya*) *nasicola*, Audy, Lawrence, and Vercammen-Grandjean, 1961  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
as syn. of *Schoengastiella* (*Audya*) *nasicola* (Vercammen-Grandjean)
- Gahrlipeia* (*Schoengastiella*) *ramachandrai*, n. sp., illus.  
Kulkarni, S. M., 1973, *J. Med. Entom.*, v. 10 (5), 519-523  
*Rattus rattus rufescens*: Atkarwadi near Sinhgarh, Poona, India  
*Suncus murinus*: Atkarwadi near Sinhgarh and Lonavla, Poona, India  
*Mus booduga*: Atkarwadi near Sinhgarh, Poona, India
- Gahrlipeia* (*Walchia*) *rustica* (Gater, 1932)  
Kundin, W. D.; Nadchatram, M.; and Keong, A., 1972, *J. Med. Entom.*, v. 9 (6), 558-559  
Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities
- Gahrlipeia* (*Gahrlipeia*) *rutila*  
Kundin, W. D.; Nadchatram, M.; and Keong, A., 1972, *J. Med. Entom.*, v. 9 (6), 558-559  
Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities
- Gahrlipeia* *saduski*  
Kamimura, K.; et al., 1972, *Eisei Dobutsu* (Japan. J. San. Zool.), v. 23 (2), 83-87  
seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly *Tsutsugamushi* disease transmitted by *Leptotrombidium pallidum*  
*Apodemus speciosus*  
*Microtus montebelli*  
all from Yamada, Toyama Prefecture, northern Honshu
- Gahrlipeia* (G.) *saduski*  
Nakata, K., 1975, *Eisei Dobutsu* (Japan. J. San. Zool.), v. 27 (2), 189-194  
trombiculid mites, seasonal fluctuations of larvae, difference of modes for attachment to rodents, incidence and number of species vary with vegetation types  
*Clethrionomys rufocanus bedfordiae*  
*C. rutilus mikado*  
*Apodemus giliacus*  
all from Tonden, Sapporo, Japan
- Gahrlipeia* (*Schoengastiella*) *shrivastavi* sp. nov., illus.  
Srivastava, S. P.; and Wattal, B. L., 1975, *Indian J. Entom.*, v. 35 (2), 1973, 150-155  
*Rattus melta* *melta*  
*Mus platythrix*  
all from Nagpur (Maharashtra State), India



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- Gahrlepieiinae Womersley 1952  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
Trombiculidae  
key; key to genera
- Gallacanthus Eichler, 1971  
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- Calligogus Eichler, 1947  
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lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: G. tausi (Ansari, 1951)
- Gamasina  
Edler, A.; and Nilsson, A., 1973, Entom. Scand., v. 4 (4), 274-282  
ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden
- Gamasus dermanyssoides (Megnin)  
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- Gasterophilus spp.  
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gastrointestinal parasites of ponies, comparative efficacy of 4 benzimidazoles evaluated by critical test method
- Gasterophilus sp.  
Panitz, E., 1977, J. Helminth., v. 51 (1), 23-30  
ethyl-6-ethoxybenzothiazole-2-carbamate, evaluation of anthelmintic activity in ponies, swine, lambs, and chickens
- Gasterophilus [sp.]  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
Equus burchelli (stomach): Kenya
- Gastrophilus spp., illus.  
Rizzoli-Stalder, C.; et al., 1976, Schweiz. Arch. Tierh., v. 118 (9), 367-375  
gastrointestinal parasites, horses, influence of pasturing and deworming on infestation, two test groups, higher infestation in group receiving regular anthelmintic treatment probably due to high density of animals on pasture
- Gasterophilus spp.  
Tiefenbach, B., 1977, Cahiers Bleus Vet. (26), 216-230  
fenbendazole (available in 5 forms), efficacy against parasites in various animals, well tolerated with no apparent effects on fertility or fetus, extensive summary of results to date
- Gasterophilus inermis Brauer  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
Equus burchelli (stomach wall): Kenya
- Gasterophilus intestinalis  
Bello, T. R.; Gaunt, S. D.; and Torbert, B. J., 1977, J. Equine Med. and Surg., v. 1 (4), 126-130  
Gasterophilus intestinalis, G. nasalis, horses, artificial hatching of bot eggs with warm water as environmental prophylaxis, critical evaluation, seasonal patterns of oviposition; trichlorfon + piperazine + phenothiazine, good results
- Gasterophilus intestinalis  
Drudge, J. H.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1585-1588  
Gasterophilus intestinalis, G. nasalis, horses (stomach), annual and monthly incidence of occurrence of 2nd vs. 3rd instars, size of infections, implications for dynamics of infection and span of transmission: Kentucky
- Gasterophilus intestinalis  
Drudge, J. H.; and Lyons, E. T., 1977, Am. J. Vet. Research, v. 38 (10), 1581-1586  
internal parasites, horses, antiparasitic drugs, methods of evaluation, critical tests, controlled tests and clinical trials, review of methods and criteria
- Gasterophilus intestinalis  
Drudge, J. H.; Lyons, E. T.; and Tolliver, S. C., 1975, Am. J. Vet. Research, v. 36 (3), 251-253  
Gasterophilus intestinalis, G. nasalis, oral stages in horses and ponies (nat. and exper.), activity of several organophosphorus compounds in various formulations and levamisole-piperazine mixture
- Gasterophilus intestinalis  
Drudge, J. H.; Lyons, E. T.; and Tolliver, S. C., 1975, Am. J. Vet. Research, v. 36 (4), Part 1, 435-439  
cambendazole, 3 formulations (suspension, paste, pellet), efficacy against major internal parasites of horses determined by critical testing method
- Gastrophilus intestinalis  
Folz, S. D., 1977, Vet. Parasitol., v. 3 (4), 377-381  
kinetics of natural expulsion of some equine parasites from nontreated horses during interim of critical test, concluded that natural elimination would not have biased efficacy of an anthelmintic or boticide

- Gasterophilus intestinalis*  
Greve, J. H.; and Paul, J. W., 1976, Vet. Med. and Small Animal Clin., v. 71 (12), 1737-1740, 1742  
horse parasites, enteric-coated microencapsulated trichlorfon, critical and field evaluations, drug efficacy
- Gasterophilus intestinalis*  
Hatch, C.; McCaughey, W. J.; and O'Brien, J. J., 1976, Vet. Rec., v. 98 (14), 274-276  
*Gasterophilus intestinalis*, *G. nasalis*, seasonal prevalence in horses: abattoirs near Dublin and Belfast, Ireland
- Gasterophilus intestinalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 128-135  
internal parasites of naturally infected horses, critical tests of levamisole alone or mixed with piperazine or trichlorfon, via stomach tube or in feed, varying rates of effectiveness, no toxicosis
- Gasterophilus intestinalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1976, Am. J. Vet. Research, v. 37 (6), 701-702  
horses, thiabendazole (paste formulation), efficacy determined by critical testing method against large nematodes and *Gasterophilus* (inactive against latter)
- Gasterophilus intestinalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1977, Am. J. Vet. Research, v. 38 (6), 721-723  
helminths and bots in horses, thiabendazole and trichlorfon sequentially administered via stomach tube, critical testing, drug efficacies, good results
- Gasterophilus intestinalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1977, Am. J. Vet. Research, v. 38 (12), 2049-2053  
internal parasites, horses, critical tests with oxfendazole, powder and pellet formulations
- Gasterophilus intestinalis* (De Geer)  
Mock, D. E., 1973, J. Med. Entom., v. 10 (1), 34-37  
*Gasterophilus intestinalis* ova, cattle pastured with or near horses, viable larvae: Ithaca, New York area
- Gasterophilus intestinalis*  
Nawalinski, T.; and Theodorides, V. J., 1976, Am. J. Vet. Research, v. 37 (4), 469-471  
gastrointestinal parasites; ponies, critical tests with oxi-bendazole
- Gasterophilus intestinalis*  
Prieto, R., 1975, Rev. Cubana Cien. Vet., v. 5 [on cover], v. 6 [on title page] (1-2), 51-56  
*Gasterophilus intestinalis*, *G. nasalis*, horses, seasonal incidence and changes in oviposition: province of Havana, Cuba
- Gasterophilus intestinalis* de Geer  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
Asinus asinus (cardiac end of stomach): Hissar and suburbs, India
- Gasterophilus intestinalis*  
Sukhapesna, V.; et al., 1975, J. Med. Entom., v. 12 (3), 391-392  
*Gasterophilus intestinalis*, temperature, embryonic development and egg hatchability; longer viability of eggs at lower temperatures
- Gasterophilus intestinalis*, illus.  
Suter, I.; Brown, G.; and Hansman, D., 1972, Med. J. Australia, v. 2 (11), 609-611  
*Gasterophilus intestinalis* eggs found on leg hairs of young girl who worked with horses that were similarly infected, case report: Wudinna, South Australia
- Gasterophilus intestinalis*  
Tiefenbach, B., 1977, Cahiers Bleus Vet. (26), 216-230  
fenbendazole (available in 5 forms), efficacy against nematodes in various animals well tolerated with no apparent effects on fertility or fetus, extensive summary of results to date
- Gasterophilus intestinalis*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
*Equus zebra zebra* (stomach): Mountain Zebra National Park
- Gasterophilus meridionalis* Pillers  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
*Equus burchelli* (stomach wall): Kenya
- Gasterophilus nasalis*  
Bello, T. R.; Gaunt, S. D.; and Torbert, B. J., 1977, J. Equine Med. and Surg., v. 1 (4), 126-130  
*Gasterophilus intestinalis*, *G. nasalis*, horses, artificial hatching of bot eggs with warm water as environmental prophylaxis, critical evaluation, seasonal patterns of oviposition; trichlorfon + piperazine + phenothiazine, good results
- Gasterophilus nasalis*  
Drudge, J. H.; et al., 1975, Am. J. Vet. Res., v. 36 (11), 1585-1588  
*Gasterophilus intestinalis*, *G. nasalis*, horses (stomach), annual and monthly incidence of occurrence of 2nd vs. 3rd instars, size of infections, implications for dynamics of infection and span of transmission: Kentucky
- Gasterophilus nasalis*  
Drudge, J. H.; and Lyons, E. T., 1977, Am. J. Vet. Research, v. 38 (10), 1581-1586  
internal parasites, horses, antiparasitic drugs, methods of evaluation, critical tests, controlled tests and clinical trials, review of methods and criteria
- Gasterophilus nasalis*  
Drudge, J. H.; Lyons, E. T.; and Tolliver, S. C., 1975, Am. J. Vet. Research, v. 36 (3), 251-253  
*Gasterophilus intestinalis*, *G. nasalis*, oral stages in horses and ponies (nat. and exper.), activity of several organophosphorus compounds in various formulations and levamisole-piperazine mixture
- Gasterophilus nasalis*  
Drudge, J. H.; Lyons, E. T.; and Tolliver, S. C., 1975, Am. J. Vet. Research, v. 36 (4), Part 1, 435-439  
cambendazole, 3 formulations (suspension, paste, pellet), efficacy against major internal parasites of horses determined by critical testing method

- Gastrophilus nasalis*  
Folz, S. D., 1977, *Vet. Parasitol.*, v. 3 (4), 377-381  
kinetics of natural expulsion of some equine parasites from nontreated horses during interim of critical test, concluded that natural elimination would not have biased efficacy of an anthelmintic or boticide
- Gastrophilus nasalis*  
Greve, J. H.; and Paul, J. W., 1976, *Vet. Med. and Small Animal Clin.*, v. 71 (12), 1737-1740, 1742  
horse parasites, enteric-coated microencapsulated trichlorfon, critical and field evaluations, drug efficacy
- Gastrophilus nasalis*  
Hatch, C.; McCaughey, W. J.; and O'Brien, J. J., 1976, *Vet. Rec.*, v. 98 (14), 274-276  
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- Gastrophilus nasalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1975, *Proc. Helminth. Soc. Washington*, v. 42 (2), 128-135  
internal parasites of naturally infected horses, critical tests of levamisole alone or mixed with piperazine or trichlorfon, via stomach tube or in feed, varying rates of effectiveness, no toxicosis
- Gastrophilus nasalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1976, *Am. J. Vet. Research*, v. 37 (6), 701-702  
horses, thiabendazole (paste formulation), efficacy determined by critical testing method against large nematodes and *Gastrophilus* (inactive against latter)
- Gastrophilus nasalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1977, *Am. J. Vet. Research*, v. 38 (6), 721-723  
helminths and bots in horses, thiabendazole and trichlorfon sequentially administered via stomach tube, critical testing, drug efficacies, good results
- Gastrophilus nasalis*  
Lyons, E. T.; Drudge, J. H.; and Tolliver, S. C., 1977, *Am. J. Vet. Research*, v. 38 (12), 2049-2053  
internal parasites, horses, critical tests with oxfendazole, powder and pellet formulations
- Gastrophilus nasalis*  
Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, *Bol. Chileno Parasitol.*, v. 29 (3-4), 99-102  
*Equus caballus*: Chile
- Gastrophilus nasalis*  
Prieto, R., 1975, *Rev. Cubana Cien. Vet.*, v. 5 [on cover], v. 6 [on title page] (1-2), 51-56  
*Gastrophilus intestinalis*, *G. nasalis*, horses, seasonal incidence and changes in oviposition: province of Havana, Cuba
- Gastrophilus nasalis* L.  
Pester, F. R. N.; and Laurence, B. R., 1974, *J. Zool.*, London, v. 174 (3), 397-406  
*Equus burchelli* (stomach wall): Kenya
- Gastrophilus pecorum* Fab.  
Pester, F. R. N.; and Laurence, B. R., 1974, *J. Zool.*, London, v. 174 (3), 397-406  
*Equus burchelli* (stomach wall): Kenya
- Gastrophilus pecorum*  
Young, E.; et al., 1973, *Research J. National Parks Republic South Africa* (16), 77-81  
*Equus zebra zebra* (stomach): Mountain Zebra National Park
- Gedoelestia* sp., larvae  
Young, E.; et al., 1973, *Research J. National Parks Republic South Africa* (16), 77-81  
*Connochaetes gnou* (nasal cavity): Mountain Zebra National Park
- Gedoelestia cristata* Rodhain & Bequaert, 1913  
Basson, P. A., 1969, *Onderstepoort J. Vet. Research*, v. 36 (2), 217-231  
specific oculo-vascular myiasis in 51 sheep (nat. and exper.) and 1 goat due to *Gedoelestia haessleri*, *G. cristata*, and their hybrids, histopathology of blood vessels, brain, eyes, heart, lungs, kidneys, and liver, name *gedoelstiasis* introduced for this specific type of myiasis
- Gedoelestia cristata* Rodhain & Bequaert  
Pester, F. R. N.; and Laurence, B. R., 1974, *J. Zool.*, London, v. 174 (3), 397-406  
*Alcelaphus buselaphus cokei*  
*Connochaetes taurinus*  
all from Kenya
- Gedoelestia haessleri* Gedoelest, 1915  
Basson, P. A., 1969, *Onderstepoort J. Vet. Research*, v. 36 (2), 217-231  
specific oculo-vascular myiasis in 51 sheep (nat. and exper.) and 1 goat due to *Gedoelestia haessleri*, *G. cristata*, and their hybrids, histopathology of blood vessels, brain, eyes, heart, lungs, kidneys, and liver, name *gedoelstiasis* introduced for this specific type of myiasis
- Gedoelestia haessleri* Gedoelest  
Pester, F. R. N.; and Laurence, B. R., 1974, *J. Zool.*, London, v. 174 (3), 397-406  
*Connochaetes taurinus*  
*Alcelaphus buselaphus cokei*  
all from Kenya
- Gedoelestia haessleri*  
Snijders, A. J.; and Horak, I. G., 1972, *J. South African Vet. Ass.*, v. 43 (3), 295-297  
*Gedoelestia haessleri* and *Haemonchus contortus* in naturally infected blesbuck, treatment with raxofenamide, highly effective  
*Damaliscus dorcas phillipsi* (eyes): Republic of South Africa
- Gedoelestiasis*  
Basson, P. A., 1969, *Onderstepoort J. Vet. Research*, v. 36 (2), 217-231  
specific oculo-vascular myiasis in 51 sheep (nat. and exper.) and 1 goat due to *Gedoelestia haessleri*, *G. cristata*, and their hybrids, histopathology of blood vessels, brain, eyes, heart, lungs, kidneys, and liver, name *gedoelstiasis* introduced for this specific type of myiasis
- Genoneopsylla thysanota* (Traub, 1968)  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
*Alticola stoliczkanus*  
*Ochotona roylei*  
*Rattus* spp.  
*Ochotona*  
mouse  
all from Nepal



*Geohollandia* Mardon and Dunnet, 1972  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis

*Geohollandia solida* (Rothschild, 1916), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, syn.: *Pygiopsylla solida* Rothschild, 1916

*Geomydoecus*  
Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Geomydoecus*, sympatric species on *Thomomys*  
*bottae-umbrinus* complex, discussion

*Geomydoecus* (*Geomydoecus*) *californicus* (Chapman, 1897)

Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Thomomys bottae actuosus*: New Mexico

*T. b. albicaudatus*: Utah

*T. b. altivallis*: California

*T. b. analogus*: Coahuila; Nuevo Leon

*T. b. angularis*: California

*T. b. angustidens*: Coahuila

*T. b. anitae*: Baja California

*T. b. apache*: Colorado

*T. b. aureus*: Utah; Colorado

*T. b. bonnevilliei*: Utah

*T. b. bottae*: California

*T. b. caneloensis*: Arizona

*T. b. canus*: Nevada

*T. b. centralis*: Utah; Nevada

*T. b. chrysonotus*: Arizona

*T. b. contractus*: Utah

*T. b. convexus*: Utah

*T. b. cultellus*: New Mexico

*T. b. depressus*: Nevada

*T. b. diaboli*: California

*T. b. fulvus*: New Mexico; Arizona

*T. b. humilis*: Coahuila

*T. b. infrapallidus*: California

*T. b. internatus*: Colorado

*T. b. lachuguilla*: New Mexico

*T. b. limitaris*: Texas

*T. b. modicus*: Arizona

*T. b. mutabilis*: Arizona

*T. b. neglectus*: California

*T. b. nigricans*: California

*T. b. operarius*: California

*T. b. pallescens*: California

*T. b. pascalis*: California

*T. b. pectoralis*: New Mexico

*T. b. perditus*: Coahuila

*T. b. perpes*: California

*T. b. pervagus*: New Mexico

*T. b. pervarius*: Texas

*T. b. providentialis*: California

*T. b. proximus*: Arizona

*T. b. retractus*: Coahuila

*T. b. robustus*: Utah

*T. b. rubidus*: Colorado

*T. b. ruidosae*: New Mexico

*T. b. sanctidiegi*: California

*T. b. scotophilus*: Texas

*T. b. sevieri*: Utah

*T. b. simulus*: Sinaloa

*T. b. sinaloae*: Sinaloa

*T. b. stansburyi*: Utah

*T. b. toltecus*: New Mexico; Chihuahua

*T. b. tularosae*: New Mexico

*T. b. villai*: Coahuila

*T. b. wahwahensis*: Utah

*T. umbrinus arriagensis*: San Luis Potosi

*T. u. emotus*: New Mexico

*Geomydoecus* (*Geomydoecus*) *californicus* (Chapman, 1897).-- Continued.

Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*T. u. evexus*: Durango

*T. u. eximius*: Sinaloa; Chihuahua

*T. u. intermedius*: Arizona

*T. u. madrensis*: Chihuahua

*T. u. nelsoni*: Chihuahua

*T. u. potosinus*: San Luis Potosi

*T. u. quercinus*: Arizona

*T. u. zacatecae*: Zacatecas

*Geomydoecus* (*Thomomydoecus*) *dickermani* Price & Emerson, 1972

Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Thomomys umbrinus tolucae*: Mexico

*T. u. peregrinus*: Valle de Bravo

*Geomydoecus ewingi*

Price, R. D.; and Hellenenthal, R. A., 1975, J.  
Med. Entom., v. 12 (4), 401-408  
key

*Geomydoecus* (*Thomomydoecus*) *genowaysi* Price & Emerson, 1972

Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Thomomys umbrinus madrensis*

*T. u. nelsoni*

all from Chihuahua

*Geomydoecus* (*Thomomydoecus*) *jamesbeeri* Price & Emerson, 1972

Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Thomomys umbrinus supernus*: Guanajuato

*Geomydoecus* (*Thomomydoecus*) *minor* Werneck, 1950  
Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Thomomys bottae actuosus*: New Mexico

*T. b. angustidens*: Coahuila

*T. b. apache*: Colorado

*T. b. aureus*: Colorado

*T. b. guadalupensis*: Texas

*T. b. internatus*: Colorado

*T. b. modicus*: Arizona

*T. b. mutabilis*: Arizona

*T. b. pervagus*: New Mexico

*T. b. retractus*: Coahuila

*T. b. rubidus*: Colorado

*T. b. ruidosae*: New Mexico

*T. b. sturgisi*: Coahuila

*T. umbrinus arriagensis*: San Luis Potosi

*T. u. crassidens*: Zacatecas

*T. u. newmani*: San Luis Potosi; Jalisco

*T. u. zacatecae*: Zacatecas

*Geomydoecus* (*Thomomydoecus*) *necopei* Price & Emerson, 1971

Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Thomomys umbrinus tolucae*: Mexico

*Geomydoecus* (*Geomydoecus*) *oregonus idahoensis*  
Price & Emerson, 1971

Price, R. D., 1972, J. Med. Entom., v. 9 (6),  
537-544

*Thomomys bottae agricolaris*

*T. b. laticeps*

*T. b. leucodon*

*T. b. mewa*

*T. b. minor*

all from California

- Geomydoecus (Geomydoecus) subcalifornicus* Price & Emerson, 1971  
Price, R. D., 1972, J. Med. Entom., v. 9 (6), 537-544  
*Thomomys bottae albatrus*: California  
*T. b. alienus*: Arizona  
*T. b. altivallis*: California  
*T. b. basilicae*: Sonora  
*T. b. cervinus*: Arizona  
*T. b. convergens*: Sonora  
*T. b. guadalupensis*: Texas  
*T. b. hueyi*: Arizona  
*T. b. modicus*: Arizona  
*T. b. mohavensis*: California  
*T. b. nigricans*: California  
*T. b. pectoralis*: New Mexico  
*T. b. perditus*: Coahuila  
*T. b. planirostris*: Utah  
*T. b. providentialis*: California  
*T. b. puertae*: California  
*T. b. scotophilus*: Texas  
*T. b. simulus*: Sonora  
*T. b. sturgisi*: Coahuila  
*T. b. virgineus*: Utah  
*T. b. winthropi*: Sonora  
*T. umbrinus intermedius*: Arizona
- Geomydoecus subnubili* n. sp., illus.  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 keys (males and females)  
*Pappogeomys castanops subnubilis*: Zacatecas, Coahuila, and Nuevo Leon, Mexico  
*P. c. elibatus*: Coahuila, Mexico  
*P. c. goldmani*: Coahuila, Zacatecas, and Durango, Mexico  
*P. c. perexiguus*: Coahuila, Mexico  
*P. c. peridoenus*: San Luis Potosi, Mexico  
*P. c. planifrons*: Tamaulipas, Mexico  
*P. c. rubellus*: Zacatecas, San Luis Potosi, and Tamaulipas, Mexico  
*P. c. subsimus*: Coahuila, Mexico  
*P. c. surculus*: Zacatecas, Mexico
- Geomydoecus tamaulipensis* n. sp., illus.  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 keys (males and females)  
*Pappogeomys castanops tamaulipensis*: 3 mi. SE of Reynosa, Tamaulipas, Mexico
- Geomydoecus texanus* Ewing, 1936  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 redescription, keys (males and females)  
*Geomys personatus fallax*
- Geomydoecus texanus texanus* Ewing, illus.  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 keys (males and females)  
*Geomys personatus fallax*: Corpus Christi Bay, Texas, U.S.A.  
*G. p. personatus*: Padre and Mustang Islands, Texas, U.S.A.; Tamaulipas, Mexico  
*G. p. megapotamus*: 4 mi. SE of Oilton, Texas, U.S.A.
- Geomydoecus texanus tropicalis* n. subsp.  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 keys (males and females)  
*Geomys tropicalis*: 1 mi. S of Altamira, Tamaulipas, Mexico
- Geomydoecus (Geomydoecus) tolucae* Price & Emerson, 1971  
Price, R. D., 1972, J. Med. Entom., v. 9 (6), 537-544  
*Thomomys umbrinus tolucae*: Mexico
- Geomydoecus (Geomydoecus) umbrinus* Price & Emerson, 1971  
Price, R. D., 1972, J. Med. Entom., v. 9 (6), 537-544  
*Thomomys umbrinus albicularis*: Veracruz  
*T. u. atrovarius*: Sinaloa  
*T. u. chihuahuae*: Durango  
*T. u. crassidens*: Zacatecas  
*T. u. durangi*: Durango  
*T. u. enixus*: Zacatecas; Jalisco  
*T. u. eximius*: Sinaloa  
*T. u. extimus*: Nayarit  
*T. u. goldmani*: Coahuila; Chihuahua  
*T. u. newmani*: San Luis Potosi; Jalisco  
*T. u. zacatecae*: Zacatecas  
*T. u. parviceps*: Sinaloa  
*T. u. peregrinus*: Valle de Bravo  
*T. u. pullus*: Michoacan  
*T. u. supernus*: Guanajuato
- Geomydoecus ustulati* n. sp.  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 keys (males and females)  
*Pappogeomys castanops ustulatus*
- Geomydoecus ustulati clarkii* n. subsp.  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 keys (males and females)  
*Pappogeomys castanops clarkii*: Lajitas, Brewster Co., Texas, U.S.A.  
*P. c. torridus*: near Terlingua, Brewster Co., and Sierra Blanca, Hudspeth Co., Texas, U.S.A.
- Geomydoecus ustulati ustulati* [n. sp. and subsp.], illus.  
Price, R. D.; and Hellenenthal, R. A., 1975, J. Med. Entom., v. 12 (4), 401-408  
 keys (males and females)  
*Pappogeomys castanops ustulatus*: NW of Anahuac (= Rodriques), Nuevo Leon, Mexico; Don Martin, Coahuila, Mexico  
*P. c. angusticeps*: Eagle Pass, Maverick Co., Texas, U.S.A.  
*P. c. bullatus*: Vallecillo and 3 mi. N of Lampazos, Nuevo Leon, Mexico; NE of Sabinas and E of Nava, Coahuila, Mexico  
*P. c. excelsus*: 4 mi. N of Acatita, Coahuila, Mexico  
*P. c. jucundus*: Hermanas, Coahuila, Mexico
- Geomylichus* sp.  
Rust, R. W., 1973, J. Med. Entom., v. 10 (2), 169-175  
 ectoparasitic mites of *Thomomys bottae*, mite age structure, seasonal fluctuations, effect of host macro- and microenvironment on host specificity  
*Thomomys bottae*: Davis, California  
*Geomys bursarius*: South Dakota
- Geomylichus mexicanus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
 Teanopus phenax: Mexico
- Geomylichus postscutatus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Dipodomys (Dipodops)* sp.: Platte Valley, Nebraska, U.S.A.
- Geomylichus sylvilagus* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 330-332  
*Sylvilagus floridanus yucatanicus*: Mexique

- Geusibia* Jordan, 1932  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
as syn. of *Ctenophyllus* Wagner, 1927
- Geusibia* Jordan, 1932  
Smit, F. G. A. M., 1975, *Senckenbergiana Biol.*, v. 56 (4-6), 247-256  
key
- Gigantolaelaps* sp.  
Trapido, H.; and Sanmartin, C., 1971, *Am. J. Trop. Med. and Hyg.*, v. 20 (4), 631-641  
*Gigantolaelaps* sp., *G. inca* and *Ixodes tropicallis* positive for isolates of Pichinde virus when removed from viremic host *Oryzomys albigularis*; probably represents virus survival rather than indication of arthropod vectors: Colombia
- Gigantolaelaps cricetidarum* Morlan, 1951  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Gigantolaelaps mattogrossensis* (Fonseca, 1935)
- Gigantolaelaps inca*  
Trapido, H.; and Sanmartin, C., 1971, *Am. J. Trop. Med. and Hyg.*, v. 20 (4), 631-641  
*Gigantolaelaps* sp., *G. inca* and *Ixodes tropicallis* positive for isolates of Pichinde virus when removed from viremic host *Oryzomys albigularis*; probably represents virus survival rather than indication of arthropod vectors: Colombia
- Gigantolaelaps mattogrossensis*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, *Entom. News*, v. 88 (9-10), 255-258  
*Holochilus brasiliensis*: Minas Gerais, Brazil
- Gigantolaelaps mattogrossensis* (Fonseca, 1935)  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
Syn.: *Gigantolaelaps cricetidarum* Morlan, 1951
- Gigantolaelaps wolffsohni*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, *Entom. News*, v. 88 (9-10), 255-258  
*Oryzomys nigripes*  
*Akodon arviculoides*  
all from Minas Gerais, Brazil
- Glauertia* M. Rothschild, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
as syn. of *Acanthopsylla* Jordan and Rothschild, 1922
- Glauertia scintilla* M. Rothschild, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
as syn. of *Acanthopsylla s. scintilla* (M. Rothschild, 1936)
- Glauertidos scintilla* M. Rothschild, 1937  
Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
as syn. of *Acanthopsylla s. scintilla* (M. Rothschild, 1936)
- Gliricola* Mjoberg, 1910  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
synonymy
- Gliricola* Mjoberg, 1910  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, *Parasitol. Schriftenr.*, v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *G. (G.) porcelli* (Schrank, 1781)
- Gliricola decurtatus marajoensis* Werneck, 1942, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
key  
*Echimys armatus*  
*E. semivillosus*  
all from Venezuela
- Gliricola echimydis* Werneck, 1933, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys guyannensis*: Beni, Bolivia
- Gliricola handleyi*, new species, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys hoplomysoides*: SSE of El Dorado, Bolivar, Venezuela
- Gliricola lindolphoi* Werneck, 1942, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
key  
*Cavia porcellus*: Venezuela
- Gliricola mendezi*, new species, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys semispinosus*: Tamatama, Rio Mavaca, and Capibara, T. F. Amazonas, Venezuela
- Gliricola mirandai* Werneck, 1935, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
key  
*Isothrix bistriata*: Venezuela
- Gliricola perfoliata* Harrison, 1916  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
as syn. of *Gliricola porcelli* (Schrank)
- Gliricola pintoi* Werneck, 1935, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
key
- Gliricola porcelli* (Schrank), illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
synonymy, key  
*Cavia porcellus*: Venezuela



- Gliricola porcelli*  
Prosl, H., 1976, Ztschr. Parasitenk., v. 50  
(2), 214  
Meerschweinchen
- Gliricola porcelli* (Linne), illus.  
Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, Mysore J. Agric. Sc., v. 9 (4), 670-688  
morphology of mouth parts, compared with  
*Lipeurus tropicalis*
- Gliricola tiptoni*, new species, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys semispinosus*: Zulia, Trujillo, Barinas, Carabobo, Apure, Sucre, Yaracuy, Lara, Falcon, Miranda, Guarico, and T. F. Amazonas, Venezuela  
*P. guyannensis*: Puerto Ayacucho and San Juan Rio Manapiare, T. F. Amazonas and near Icabaru, Bolivar, Venezuela  
*P. canicollis*: NW La Paz, Zulia, Venezuela
- Gliricola venezuelanus*, new species, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys guyannensis*: Bolivar and T. F. Amazonas, Venezuela  
*P. semispinosus*: T. F. Amazonas, Sucre, Carabobo, Barinas and Apure, Venezuela  
*P. canicollis*: NW La Paz, Zulia, Venezuela
- Gliricola vogelsangi* Werneck, 1951, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key
- Gliricola wenzeli*, new species, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys semispinosus*: Manacal, Sucre and Cueva del Guachara, La Laguna and San Agustin, Monagas, Venezuela
- Gliricolinae*  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
Gyropidae  
key
- Gloiopotes longicaudatus* (Marukawa)  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
"It is likely that *G. watsoni* Kirtisinghe may prove to be the same as *G. longicaudatus* (Marukawa)"
- Gloiopotes watsoni* Kirtisinghe, 1934, illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
"It is likely that *G. watsoni* Kirtisinghe may prove to be the same as *G. longicaudatus* (Marukawa)"  
*Makaira indica* (body surface): Vizhingom, South India  
*Tetrapturus brevivirostris*: Trivandrum, South India
- Glycyphagus michaeli* (Oudem.)  
Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
+*Lagurus lagurus* (nest): Karagandinsk oblast
- Gnathia maxillaris* Montagu  
Davies, A. J.; and Johnston, M. R. L., 1976, J. Protozool., v. 23 (2), 315-320  
*Haemogregarina bigemina* in *Blennius pholis*, incidence in relation to length of host, structure and development, no evidence for leech *Oceanobdella blennii* as vector, circumstantial evidence for *Gnathia maxillaris* as vector: Wales
- Goniocotes* Burmeister, 1838  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftendr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *G. gallinae* (de Geer, 1778); *G. maculatus* Taschenberg, 1882; *G. nigromaculatus* Mjoberg, 1910; *G. rectangulatus* Nitzsch, 1866; *G. yngarejsuf* Eichler, 1950
- Goniocotes bidentatus*  
Misra, S. C., 1974, Indian J. Animal Research v. 8 (2), 87-88  
pigeons, Ectopar, highly effective
- Goniocotes bidentatus* Scopoli  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Gallus gallus* (body): Hissar and suburbs, India
- Goniocotes chrysocephalus* Gb., 1874  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
[*Gallus gallus*]: Kashka-Darya oblast
- Goniocotes chrysocephalus* Giebel 1874, illus.  
Marconcini, A.; and Macchioni, G., 1975, Ann. Fac. Med. Vet. Pisa, v. 27, 1974, 101-112  
*Phasianus colchicus*: Tuscany
- Goniocotes chrysocephalus*  
Shousmanov, Sh., 1974, Uzbek. Biol. Zhurnal (6), 67-68  
*Goniocotes chrysocephalus*, comparative numbers on chickens in various seasons, distribution on abdomen, tarsus, back, tail and wing of host: Uzbekistan
- Goniocotes gallinae* (De Geer, 1778)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Gallus gallus*: New Hebrides
- Goniocotes gallinae* (De Geer, 1778), illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
*Gallus domesticus*: Spain
- Goniocotes gallinae* (DeGeer), illus.  
Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, Mysore J. Agric. Sc., v. 9 (4), 670-688  
morphology of mouth parts, compared with  
*Lipeurus tropicalis*

- Goniocotes gallinae* (De Geer), illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Goniocotes obscurus* Giebel, 1874, illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key  
*Alectoris rufa*: Spain
- Goniodes Nitzsch*, 1818  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *G. pavonis* (Linnaeus, 1758)
- Goniodes bankiva* Piaget, 1880  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Goniodes dissimilis* Denny, 1842
- Goniodes bychovskyi* Blag., 1718 [i.e. 1951]  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
[*Streptopelia senegalensis*]  
[*Columba livia*]  
all from Kashka-Darya oblast
- Goniodes colchici* D., 1842  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
[*Gallus gallus*]: Kashka-Darya oblast
- Goniodes colchicus* Denny 1842, illus.  
Marconcini, A.; and Macchioni, G., 1975, Ann. Fac. Med. Vet. Pisa, v. 27, 1974, 101-112  
*Phasianus colchicus*: Tuscany
- Goniodes cypricus* (Keler, 1939)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Goniodes dispar* Burmeister, 1838
- Goniodes dispar* Burmeister, 1838, illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
*Gallus domesticus*; *Alectoris rufa*: all from Spain
- Goniodes dissimilis* N., 1842  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
[*Gallus gallus*]: Kashka-Darya oblast
- Goniodes dissimilis* Denny, 1842  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Gallus gallus*: New Hebrides
- Goniodes dissimilis* Denny, 1842, illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, Syn.: *Goniodes bankiva* Piaget, 1880  
*Gallus domesticus*: Spain
- Goniodes dissimilis* (Denny), illus.  
Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, Mysore J. Agric. Sc., v. 9 (4), 670-688  
morphology of mouth parts, compared with *Lipeurus tropicalis*
- Goniodes dissimilis*  
Torres, P.; et al., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 115-117  
*Gallus gallus domesticus*: Chile
- Goniodes flaviceps* Rudow, 1869  
Dominguez de Tena, M.; et al., 1975, Rev. Iber. Parasitol., v. 35 (3-4), 377-378  
*Alectoris rufa*: Peninsula Iberica
- Goniodes gigas* (Taschenberg, 1879), illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
*Gallus domesticus*: Spain
- Goniodes lagopi*, illus.  
Mehl, R., 1975, Fauna, Oslo, v. 28 (4), 208-214  
*Lagopus lagopus*  
*Lagopus mutus*  
all from Norway
- Goniodes pavonis* (Linne, 1758)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy
- Goniodes pavonis* (L.), illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Goniodes tetragonocephalus* (Olfers, 1816)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Goniodes pavonis* (Linne, 1758)
- Goniodes truncatus* Gb., 1874  
Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
[*Gallus gallus*]: Kashka-Darya oblast
- Goniodinae*  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key to genera and species from Galliformes and Columbiformes: Spain
- Goniodidae*  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69  
key to genera from Columbiformes
- Goniopsyllus kerguelensis* (Taschenberg) Baker, 1905  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Notiopsylla kerguelensis* (Taschenberg, 1880)
- Nototypes* Keler, 1940  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *G. parviceps* (Piaget, 1880)
- Graphiurobia* Fain, 1972  
Fain, A.; and Lukoschus, F., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 622-632  
subgen. of *Radfordia*  
morphology

- Grisonia Keler, 1938  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Trichodectes Nitzsch, 1818
- Gruimenopon canadense  
Forrester, D. J.; et al., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 55-59  
Grus canadensis tabida: Florida
- Gruimenopon canadense Edwards, 1949  
Forrester, D. J.; Bush, A. O.; and Williams, L. E., jr., 1975, J. Parasitol., v. 61 (3), 547-548  
Grus canadensis pratensis: Florida
- Guntherana vorax sp. n., illus.  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
Apodemus sylvaticus  
Mus musculus  
Cricetulus migratorius  
Calomyscus bailwardi  
Rhombomys opimus  
Ochotona rufescens  
all from vicinity of Bagir, Firiuz, Ashkhabad and Kara-Kala region (Ai-Dere and Iol-Dere), Turkmenia
- Guntheria cassiope  
Campbell, R. W.; and Domrow, R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 397-402  
collected during search for vectors of scrub and Queensland tick typhus: areas of north Queensland, Australia
- Guntheria coorongensis (Hirst)  
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, Antechinus stuartii, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Guntheria derricki (Womersley)  
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, Antechinus stuartii, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Guntheria (Derrickiella) omega sp. n., illus.  
Goff, M. L., 1977, J. Parasitol., v. 63 (5), 915-917  
Peroryctes longicauda: Southern Highlands Dist.; Morobe Dist.  
Hydromys chrysogaster: Central Dist.  
Melomys moncktoni: Central Dist.  
Anisomys imitator: Chimbu Dist.  
Melomys sp.: Chimbu Dist.; Eastern Highlands Dist.  
Rattus exulans: Chimbu Dist.  
Murexia longicauda: Eastern Highlands Dist.  
Rattus leucopus: Eastern Highlands Dist.  
R. ruber: Eastern Highlands Dist.; Morobe Dist.  
Uromys caudimaculatus: Eastern Highlands Dist.; Morobe Dist.  
Rattus niobe: Morobe Dist.
- Guntheria (Derrickiella) omega sp. n., illus. -- Continued.  
Goff, M. L., 1977, J. Parasitol., v. 63 (5), 915-917  
Echymipera kalubu (hindfoot): Morobe Dist.  
Melomys levipes: Morobe Dist.  
M. rufescens: Morobe Dist.  
Rattus sp.: Morobe Dist.  
Phascolosorex sp.: Morobe Dist.  
all from Papua New Guinea
- Guntheria shieldsi (Gunther)  
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, Antechinus stuartii, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Gymnolichus secundus Cerny et Schumilo, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
Caprimulgus europaeus: Moldavian SSR
- Gyropidae  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
Amblycera  
key
- Gyropinae  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
Gyropidae  
key
- Gyropus Nitzsch, 1818  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy
- Gyropus Nitzsch, 1818  
Zlotoryzcka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: G. ovalis Burmeister, 1838
- Gyropus amplexans Neumann, 1912  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Macrogyropus a. amplexans (Neumann)
- Gyropus aotophilus Ewing, 1924  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Aotiella aotophilus (Ewing)
- Gyropus bicaudatus Paine, 1912  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Gliricola porcelli (Schrank)
- Gyropus hispidus Burmeister, 1838  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Trimenopon hispidum (Burmeister)



*Gyropus ovalis* Burmeister, 1838, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key  
*Cavia porcellus*: Venezuela

*Gyropus ovalis*  
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
Meerschweinchen

*Gyropus ovalis* (Nitzsch), illus.  
Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, Mysore J. Agric. Sc., v. 9 (4), 670-688  
morphology of mouth parts, compared with *Lipeurus tropicalis*

*Gyropus porcelli perfoliatus* Neumann, 1912  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Gliricola porcelli* (Schrank)

*Gyropus thompsoni* Werneck, 1935, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Isothrix bistriata*: Venezuela

*Gyropus turbinatum* Piaget, 1880  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Gyropus ovalis* Burmeister, 1838

*Gyropus wernecki*, new species, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys semispinosus*: Trujillo, Sucre, Falcon, Zulia, Carabobo, Yaracuy, Apure, Barinas, Lara, Monagas and T. F. Amazonas, Venezuela  
*P. guyannensis*: Puerto Ayacucho, Belen, Boca Mavaca, Rio Mavaca, and Capibara, T. F. Amazonas, and El Manaco, Bolivar, Venezuela  
*P. canicollis*: NW La Paz, Zulia, Venezuela

*Gyrostigma conjungens* Enderlein, illus.  
Warnecke, M.; and Goeltenboth, R., 1977, Berl. u. Munchen Tierarztl. Wchnschr., v. 90 (8), 159-160  
*Diceros bicornis* (faeces): imported from Kenya to Zoological Gardens, West Berlin

- Haemalastor crassitarsus* Karsch, 1880  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma longirostre* (Koch, 1844)
- Haemalastor longirostris* Koch, 1844  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma longirostre* (Koch, 1844)
- Haemaphysalis* sp.  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Dasyprocta fuliginosa*: Venezuela
- Haemaphysalis* spp.  
Lim, B. L., 1972, Southeast Asian J. Trop. Med. and Pub. Health, v. 3 (4), 605-612  
*Rattus sabanus*  
*R. muelleri*  
*R. bowersii*  
*R. surifer*  
*R. whiteheadi*  
*R. rajah*  
*Tupaia glis*  
all from rainforests in West Malaysia
- Haemaphysalis* sp.  
Mikacic, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 49-54  
seasonal occurrence: Rab and Pag
- Haemaphysalis* sp.  
Tovornik, D., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 103-106  
tick fauna in foci of Central European encephalitis; list of tick species found on birds: Yugoslavia
- Haemaphysalis aciculifer*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu: Ethiopia
- Haemaphysalis bancrofti* Nuttall  
Doube, B. M.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (4), 443-447  
*Haemaphysalis*, Ixodes, parasitization by wasp, *Hunterellus* sp., seasonal distribution of wasp and ticks  
*Isodon macrourus*  
*Trichosurus vulpecula* (nat. and exper.)  
*Potorous tridactylus*  
all from Queensland
- Haemaphysalis bispinosa*  
Geevarghese, G., 1977, Oriental Insects, v. 11 (1), 49-52  
*Haemaphysalis bispinosa* parasitized by *Hunterellus sagarensis* sp. nov.: Karnataka, India
- Haemaphysalis bremeri*  
Doube, B. M.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (4), 443-447  
*Haemaphysalis*, Ixodes, parasitization by wasp, *Hunterellus* sp., seasonal distribution of wasp and ticks  
*Trichosurus vulpecula*: Queensland
- Haemaphysalis campanulata*  
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions
- Haemaphysalis campanulata*  
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121  
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals
- Haemaphysalis campanulata*  
Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
survey of ticks and their seasonal prevalence in southern Amami-oshima Islands
- Haemaphysalis chlodkovskyi* Olenov 1928  
Mikacic, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 49-54  
seasonal occurrence: Rab and Pag
- Haemaphysalis concinna*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Haemaphysalis concinna*  
Blaskovic, D.; and Nosek, J., 1972, Progr. Med. Virol., v. 14, 275-320  
tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area
- Haemaphysalis concinna*  
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions
- Haemaphysalis concinna*  
Ioffe, I. D., 1976, Zool. Zhurnal, v. 55 (4), 526-530  
*Ixodes persulcatus*, *Haemaphysalis concinna*, *Dermacentor silvarum*, olfactory and visual centers, relative size, importance of photo-reception
- Haemaphysalis concinna*  
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121  
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals
- Haemaphysalis concinna*  
Korenberg, E. I.; et al., 1976, Zool. Zhurnal, v. 55 (2), 282-286  
ixodid ticks, distribution study, importance of habitat profiles and detailed distribution map for planning control measures: Baikal-Amur main line

*Haemaphysalis concinna*

Panfilova, I. M., 1976, Zool. Zhurnal, v. 55 (3), 371-377

*Ixodes persulcatus*, *Dermacentor silvarum*, *Haemaphysalis concinna*, react positively to weak light and negatively to strong light; position of photo-receptors

*Haemaphysalis concinna* Koch

Savitskii, B. P.; and Savitskaia, G. M., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 19-23  
inhabitation of forests and pastures by ticks transferred by domestic and wild animals  
[*Bos taurus*]  
[*Equus caballus*]  
all from Lower and Middle Amur flood plain

*Haemaphysalis concinna*, *illus.*

Sixl, W.; Dengg, E.; and Waltinger, H., 1971, Munchen. Med. Wchnschr., v. 113 (49), 1645-1646  
*Haemaphysalis concinna*, scanning electron microscopy of mouth parts (hypostoma and chelicera); ticks as mechanical vectors of human pathogens

*Haemaphysalis concinna* Koch, *illus.*

Sixl, W.; Dengg, E.; and Waltinger, H., 1972, Mikroskopie, v. 28 (3-4), 88-91  
*Haemaphysalis concinna*, mouth parts, scanning electron microscopy

*Haemaphysalis cornigera* group

Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

*Haemaphysalis cornigera shimoga* Trapido and Hoogstraal, 1964

Bhat, H. R.; Geevarghese, G.; and Sreenivasan, M. A., 1976, Indian J. Animal Sc., v. 44 (6), 1974, 370-375  
life cycle, tendency towards 2-host tick, dropping of engorged stages coincided with diurnal activity of host  
(all exper.)  
calves  
chicks  
*Rattus blanfordi*

*Haemaphysalis cuspidata* Warburton, 1910

Bhat, H. R.; Jacob, P. G.; and Sreenivasan, M. A., 1977, Indian J. Animal Sc., v. 45 (8), 546-550

*Haemaphysalis cuspidata*, life-history, laboratory studies using human (exper.) and chick (exper.)

*Haemaphysalis (Allophysalis) danieli* sp. n., *illus.*

Cerny, V.; and Hoogstraal, H., 1977, J. Parasitol., v. 63 (3), 567-574  
alpine vegetation: Tirich-Mir Valley, Swat, Pakistan  
The following nymphal and larval material is "tentatively associated with this species.":  
*Cricetulus migratorius*: Phandar, Gilgit, Pakistan  
*Apodemus flavicollis*: Babusar, Gilgit, Pakistan; Khagan Valley, Gitidas, Hazara, Pakistan  
*Alticola roylei*: Babusar, Gilgit, Pakistan; Khagan Valley, Gitidas, Hazara, Pakistan; Badakhashan, Wakhan area, Chap Darrah, Afghanistan  
*Ochotona roylei*: Rama Valley, Gilgit, Pakistan; Badakhashan, Wakhan area, Chap Darrah, Afghanistan  
*Marmota caudata*: Badakhashan, Wakhan area, Chap Darrah, Afghanistan

*Haemaphysalis erinacei erinacei*

Tovornik, D., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 103-106  
Syn.: *Haemaphysalis numidiana*  
tick fauna in foci of Central European encephalitis; list of tick species found on birds: Yugoslavia  
*Apus melba*: Dubrovnik

*Haemaphysalis (Rhipistoma) eupleres* Hoogstraal, Kohls and Trapido, *illus.*

Hoogstraal, H.; and Camicas, J. L., 1977, J. Parasitol., v. 63 (6), 1099-1102  
description of male  
*Eupleres* sp.  
*Eupleres goudotii*  
all from Madagascar

*Haemaphysalis flava*

Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

*Haemaphysalis flava*

Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
survey of ticks and their seasonal prevalence in southern Amami-oshima Islands

*Haemaphysalis flava* Neum.

Kolonin, G. V.; and Bolotin, E. I., 1975, Zool. Zhurnal, v. 54 (4), 616-617  
[*Homo sapiens*]  
*Cervus elaphus*  
all from Kavalerovsk region, Primorsk kraia



- Haemaphysalis flava* Neumann (1897)  
Otsuka, H.; and Yoshimura, S., 1976, Bull. Fac. Agric. Univ. Miyazaki, v. 23 (2), 511-515  
*Babesia gibsoni*, dog, transmission experiment using *Haemaphysalis flava* showed that this tick did not participate in either transovarial or stage-to-stage transmission
- Haemaphysalis flava* Neumann, 1897  
Takada, N.; and Yamaguchi, T., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 35-40  
*Selenarctos thibetanus japonicus*  
*Nyctereutes procyonoides viverrinus*  
*Lepus brachyurus angustidens*  
*Sciurus lis*  
all from Honshu, Japan
- Haemaphysalis formosensis*  
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions
- Haemaphysalis formosensis*  
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121  
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals
- Haemaphysalis formosensis*  
Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
seasonal prevalence  
*Sus riukiuanus*  
*Canis familiaris*  
+*Pentalagus furnessi* (nest)  
*Corvus leuicollis* connectens  
*Scolopax rusticola mira*  
all from southern Amami-oshima Islands
- Haemaphysalis hispanica* Gil Collado, 1938  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38  
*Sus scrofa*: Alto Aragon
- Haemaphysalis humerosa*  
Doube, B. M.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (4), 443-447  
*Iscodon macrourus*: Queensland
- Haemaphysalis hystricis*  
Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, National Inst. Animal Health Quart., v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions
- Haemaphysalis hystricis*  
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121  
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals
- Haemaphysalis hystricis*  
Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
seasonal prevalence  
*Sus riukiuanus*  
*Canis familiaris*  
+*Pentalagus furnessi* (nest)  
all from southern Amami-oshima Islands
- Haemaphysalis hystricis* Supino  
Van Peenen, P. F. D.; et al., 1977, J. Protozool., v. 24 (2), 310-312  
*Bandicota indica nemorivaga*  
*Rattus coxinga*  
all from Taiwan
- Haemaphysalis inermis*  
Blaskovic, D.; and Nosek, J., 1972, Progr. Med. Virol., v. 14, 275-320  
tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area
- Haemaphysalis inermis*, ill.  
Rajcani, J.; et al., 1976, Zentralbl. Bakteriolog., 1. Abt. Orig., Reihe A, v. 236 (1), 1-9  
*Dermacentor reticulatus*, *D. marginatus*, *Haemaphysalis inermis*, morphology of mouth parts, host reactions to feeding and attachment, encephalitis virus transmission
- Haemaphysalis inermis*  
Trifonov, T., 1975, Vet. Med. Nauki, v. 12 (5), 70-79  
ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin
- Haemaphysalis inermis* Bir.  
Uspenskaia, I. G., 1971, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (7), 115-121  
ixodid ticks, influence of cultivated land on distribution: Moldavia
- Haemaphysalis japonica*  
Kolonin, G. V.; and Bolotin, E. I., 1975, Zool. Zhurnal, v. 54 (4), 616-617  
*Cervus elephas*: Kavalеровsk region, Primorsk kraia
- Haemaphysalis japonica* Warburton, 1908  
Takada, N.; and Yamaguchi, T., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 35-40  
*Selenarctos thibetanus japonicus*: Honshu, Japan
- Haemaphysalis japonica douglasi* Nut. et Warb.  
Savitskii, B. P.; and Savitskaia, G. M., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 19-23  
inhabitation of forests and pastures by ticks transferred by domestic and wild animals [*Bos taurus*]: Lower and Middle Amur flood plain

- Haemaphysalis juxtakochi* Cooley, 1946  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Syn.: *Haemaphysalis kochi* Aragao, 1908  
Dasyprocta aguti  
Mazama americana  
Tapirus terrestris  
human  
Mazama gouazoubira  
Sylvilagus floridanus  
Carollia perspicillata  
Sciurus aestuans  
Sciurus igniventris  
Dasyprocta fuliginosa  
Tayassu tajacu  
Cebus nigrivittatus  
all from Venezuela
- Haemaphysalis juxtakochi*  
Varma, M. G. R., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 92-102  
Equus caballus: British Honduras
- Haemaphysalis (Ornithophysalis) kadarsani* sp. n., illus.  
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Echiothrix leucura: Central Sulawesi (Celebes), Indonesia (Kuala Navusu, Malakosa)
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*Passer domesticus*  
*Agelaius phoeniceus*  
all from South Bass Island, Ottawa County, Ohio
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all from Fort Ord, California
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sparrow, white-throated  
sparrow, song  
sparrow, swamp  
junco, slate-colored  
thrush, Swainson's  
veery  
thrush, hermit  
thrush, wood  
catbird  
thrush, gray-cheeked  
robin  
thrasher, brown  
towhee, rufous-sided  
cardinal  
blue jay  
grackle, common  
wren, Carolina  
warbler, myrtle  
ovenbird  
waterthrush, northern  
chat, yellow-breasted  
warbler, black-throated blue  
redstart, American  
yellowthroat  
all from coastal eastern United States
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*Haemaphysalis silacea*, ecology: habitat preferences, distribution in relation to microclimatic conditions, seasonal activity, seasonal occurrence on hosts, sex ratio of ticks, host/tick interactions as result of host daily movements and feeding habits, site of attachment  
Numida meleagris  
Hagedashia hagedash  
Pycnonotus barbatus  
Lamprocolius nitens
- Haemaphysalis silacea* Robinson 1912.-- Continued.  
Norval, R. A. I., 1975, *J. Parasitol.*, v. 61 (4), 730-736  
Corvultur albicollis  
Mirafrana africana  
Aethomys namaquensis  
Lepus sp.  
Sylvicapra grimmia  
Tragelaphus scriptus  
Cynictis penicillata  
Canis mesomelas  
Felis caracal  
all from Paardekraal Farm, Kowie River Valley, 15 km SE of Grahamstown, Eastern Cape Province, South Africa
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dog  
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Redington, B. C., 1971, Acarologia, v. 12 (4), 643-667  
synonymy, key
- Haemogamasus nidi*: Evans and Till, 1966  
Redington, B. C., 1971, Acarologia, v. 12 (4), 643-667  
as syn. of *Haemogamasus nidi* Michael, 1892
- Haemogamasus nidiformis* Tipton & Saunders, 1971 (not Bregetova, 1955)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Haemogamasus onychomydis* (Ewing, 1933)  
Redington, B. C., 1971, Acarologia, v. 12 (4), 643-667  
synonymy, key
- Haemogamasus onychomydis* (Ewing, 1933)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Euhaemogamasus ambulans* Keegan, 1951 (in part) (not Thorell, 1872)
- Haemogamasus reidi* Ewing  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
Sciurus carolinensis: Kenosha County, Wisconsin
- Haemogamasus reidi* Ewing, 1925, illus.  
Redington, B. C., 1971, Acarologia, v. 12 (4), 643-667  
synonymy, key, female redescribed, male, deutonymph, protonymph, larva, and egg described, literature review  
Sciurus carolinensis (tail): Patuxent Wildlife Research Center, Prince George's County, Maryland
- Haemogamasus reidi*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
Sciurus niger  
S. carolinensis  
all from Indiana
- Haemogamasus reidi* Ewing, 1925  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Haemogamasus reidi* Ewing  
Wilson, N.; and Bull, E. L., 1977, Bird-Banding, v. 48 (2), 171-173  
+squirrel (nest): Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Haemogamasus sternalis* Ewing, 1933  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Haemogamasus ambulans* (Thorell, 1872)
- Haemogamasus twitchelli* Ewing, 1925  
Redington, B. C., 1971, Acarologia, v. 12 (4), 643-667  
as syn. of *Haemogamasus ambulans* (Thorell, 1872)



- Haemogamasus twitchelli* Ewing, 1925 (in part)  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Haemogamasus ambulans* (Thorell,  
1872)
- Haemogamasus twitchelli* Ewing, 1925 (in part)  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Haemogamasus reidi* Ewing, 1925
- Haemolaelaps* sp.  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1),  
110-111  
*Microtus pennsylvanicus*  
*Peromyscus leucopus*  
all from Parkside, Wisconsin
- Haemolaelaps angustiscutis* Breg.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk  
Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different land-  
scapes  
*Rhombomys opimus*: Turkmenistan
- Haemolaelaps bibbyi* Strandtmann and Hunt  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4  
(2), 145-154  
*Rattus luzonicus*  
*R. rattus mindanensis*  
all from Luzon, Philippines
- Haemolaelaps casalis*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool.  
Zhurnal, v. 54 (1), 151-153  
+*Ochotona alpina*: Western Sayan Mountains
- Haemolaelaps casalis* Berlese, 1887  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Haemolaelaps casalis* (Berlese)  
McGroarty, D. L.; and Dobson, R. C., 1974, Am.  
Midland Naturalist, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Haemolaelaps ellobii* Breg.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
*Lagurus lagurus*: Karagandinsk oblast
- Haemolaelaps ellobii* Bregetova, 1952  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Haemolaelaps geomys* Strandtmann  
Rust, R. W., 1973, J. Med. Entom., v. 10 (2),  
169-175  
ectoparasitic mites of *Thomomys bottae*, mite  
age structure, seasonal fluctuations, effect  
of host macro- and microenvironment on host  
specificity  
*Thomomys bottae*: Davis, California
- Haemolaelaps glasgowi* (Ewing)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1),  
110-111  
*Tamias striatus*  
*Microtus pennsylvanicus*  
*M. ochrogaster*  
*Peromyscus leucopus*  
all from Parkside, Wisconsin
- Haemolaelaps glasgowi* [of] Amin, 1973  
Amin, O. M., 1976, Great Lakes Entom.,  
v. 9 (4), 195-198  
as syn. of *Androlaelaps fahrenheitsi* (Berlese)
- Haemolaelaps glasgowi* (Ewing)  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
*Lagurus lagurus*: Karagandinsk oblast
- Haemolaelaps glasgowi*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool.  
Zhurnal, v. 54 (1), 151-153  
+*Ochotona alpina*: Western Sayan Mountains
- Haemolaelaps glasgowi* Ewing, 1925  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Haemolaelaps longipes* Breg.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk  
Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different land-  
scapes  
*Rhombomys opimus*: Turkmenistan
- Haemolaelaps scalopi* Keegan, 1946  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Androlaelaps fahrenheitsi* (Berlese,  
1911)
- Haemolaelaps telemachus* Domrow  
Beveridge, I.; and Barker, I. K., 1976,  
Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stu-*  
*artii*, seasonal and sex-related variations  
in numbers of helminths, parasites unlikely  
directly involved in seasonal mortality of  
male host; ectoparasites may contribute to  
anemia in hosts: Powelltown, Victoria
- Halarachne halichoeri* Allman (1847)  
Bonner, W. N., 1972, Oceanogr. and Marine Biol.  
Ann. Rev., v. 10, 461-507  
*Phoca vitulina* (nose): European waters
- Halarachne miroungae*  
Tierney, T. J., 1977, Austral. Vet. J., v. 53  
(2), 91-92  
*Mirounga leonina*: Vestfold Hills, Antarctica
- Halipeurus leucophryna* Timmerman, 1960  
Ward, R. A.; and Downey, J. C., 1973, J. Med.  
Entom., v. 10 (4), 391-396  
*Pterodroma leucoptera hypoleuca*: Midway  
Atoll, Pacific Ocean

- Halipeurus mirabilis* Thompson, 1940  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Puffinus pacificus chlororhynchus*: Eastern Island, Midway Atoll, Pacific Ocean
- Hannemania oudemans* 1911  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Harpyrhynchus* sp.  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Cyanocitta cristata*  
*Turdus migratorius*  
*Agelaius phoeniceus*  
all from South Bass Island, Ottawa County, Ohio
- Harpyrhynchus* sp.  
Lavoipierre, M. M. J.; Rajamanickam, C.; and Ward, P., 1965, Med. J. Malaya, v. 20 (2), 172  
tumorous skin lesions in *Locustella lanceolata* produced by *Harpyrhynchus* sp.: Seletar, Singapore
- Harpyrhynchus pilirostris* Berlese & Trouessart  
McGroarty, D. L.; and Dobson, R. C., 1974, Am. Midland Naturalist, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
Passer domesticus: northwestern Indiana
- Harrisonia uncinata* Ferris, 1922, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Proechimys semispinosus*  
*P. guyannensis*  
all from Venezuela
- Harrisoniella copei* Timmermann, 1969  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Diomedea nigripes*: Midway Atoll, Pacific Ocean
- Harrisoniella densa* (Kellogg, 1896)  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Diomedea immutabilis*: Midway Atoll, Pacific Ocean
- Hatschekia crenata* n. sp., illus.  
Hewitt, G. C., 1969, N. Zealand J. Marine and Freshwater Research, v. 3 (1), 159-168  
*Lepidopus caudatus*: presumably in Wellington region, New Zealand
- Hatschekia foliata* Redkar, Rangnekar and Murti, 1950, illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
description  
*Nemipterus japonicus* (gills): Trivandrum, South India
- Hatschekia quadrata* n. sp., illus.  
Hewitt, G. C., 1969, N. Zealand J. Marine and Freshwater Research, v. 3 (1), 159-168  
*Allomycterus jaculiferus*: New Zealand (presumably in Wellington region; Shelly Bay, Wellington Harbour)
- Hatschekia sphyraeni* n. sp., illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
*Sphyraena acutipinnis* (gills): Trivandrum, South India
- Helenicula*  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
key to species
- Helenicula globularis* (Walch)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus luzonicus*: Luzon, Philippines
- Helenicula goodorziani* Kudryashova sp. n., illus.  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, Zool. Zhurnal., v. 52 (11), 1725-1728  
*Meriones persicus*: Iran
- Helenicula lanus caspica* Muljarskaya, 1971  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, Zool. Zhurnal., v. 52 (11), 1725-1728  
as syn. of *Helenicula lukshumiae* Nadchatram and Traub, 1971
- Helenicula lukshumiae* Nadchatram and Traub, 1971  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, Zool. Zhurnal., v. 52 (11), 1725-1728  
measurements, syn.: *Helenicula lanus caspica* Muljarskaya, 1971  
*Meriones persicus*: Iran
- Helenicula pulchella* sp. n., illus.  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
key  
*Cricetulus migratorius*: Western Kopetdagh, Iol-Dere ravine (Karakalinskii region), Turkmenia
- Helenicula sparsa* Schluger, 1955  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
key  
*Apodemus sylvaticus*  
*Cricetulus migratorius*  
*Meriones persicus*  
*Rhombomys opimus*  
all from Karakalinskii region (Iol-Dere ravine) and vicinity of Ashkhabad, Turkmenia
- Heleonomus assimilis* (Piaget, 1880)  
Forrester, D. J.; et al., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 55-59  
*Grus canadensis tabida*: Florida

- Heleonomus assimilis* (Piaget, 1880)  
Forrester, D. J.; Bush, A. O.; and Williams, L. E., jr., 1975, *J. Parasitol.*, v. 61 (3), 547-548  
*Grus canadensis pratensis*: Florida
- Hermilius longicornis*, illus.  
John, S. E.; and Nair, N. B., 1974, *Monitore Zool. Ital.*, n.s., v. 8 (3), 133-140  
*Hermilius longicornis*, function and morphology of mouth parts  
*Ariodes dussumieri*: Kerala coast, India
- Herpetacarus cadigani* n. sp., illus.  
Nadchatram, M.; and Kethley, J., 1974, *J. Med. Entom.*, v. 11 (5), 581-587  
*Phyllodactylus siamensis*: Nakhon Ratchasima, Sakaerat, Thailand
- Herpetacarus leprochaeta* n. sp., illus.  
Nadchatram, M.; and Kethley, J., 1974, *J. Med. Entom.*, v. 11 (5), 581-587  
*Riopa bowringi* (just posterior to hind legs): Nakhon Ratchasima, Sakaerat, Thailand
- Herpyllobius hartmanae* n. sp., illus.  
Luetzen, J.; and Jones, B., 1976, *N. Zealand J. Marine and Freshwater Research*, v. 10 (2), 371-374  
*Laetmonice producta*: Ross Sea area, Antarctica
- Herpyllobius rotundus* n. sp., illus.  
Luetzen, J.; and Jones, B., 1976, *N. Zealand J. Marine and Freshwater Research*, v. 10 (2), 371-374  
*Harmothoe* sp.: Turakirae Trench, Cook Strait, New Zealand
- Herrmannella Canu*, 1891  
Stock, J. H., 1968, *Bull. Zool. Mus. Univ. Amsterdam*, v. 1 (9), 89-105  
key, differential diagnosis between *Diogenidium* and *Herrmannella*
- Herrmannella seticauda* n. sp.  
Stock, J. H., 1968, *Bull. Zool. Mus. Univ. Amsterdam*, v. 1 (9), 89-105
- Herrmannella spinicauda* n. sp.  
Stock, J. H., 1968, *Bull. Zool. Mus. Univ. Amsterdam*, v. 1 (9), 89-105
- Hesperoctenes* [sp.] (possibly *H. fumarius*)  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, *Entom. News*, v. 88 (9-10), 255-258  
*Molossus molossus*: Minas Gerais, Brazil
- Hesperoctenes eumops*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Eumops perotis*: Big Bend National Park, Texas
- Heterodoxus* Le Souef & Bullen, 1902  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, *Parasitol. Schriftenr.*, v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *H. spiniger* (Enderlein, 1909)
- Heterodoxus* sp.  
Horak, I. G., 1976, *J. South African Vet. Med. Ass.*, v. 47 (1), 17-18  
*Rhipicephalus sanguineus*, *Heterodoxus* sp., *Ctenocephalides canis*, dogs, Sendran-impregnated collar, good results
- Menopon* [i. e. *Heterodoxus*] *armiferus* Paine, 1912  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 20 (3), 1-77  
as syn. of *Heterodoxus spiniger* (Enderlein)
- Heterodoxus spiniger* (Enderlein, 1909)  
Amin, O. M.; and Madbouly, M. H., 1973, *J. Med. Entom.*, v. 10 (3), 295-298  
*Rhipicephalus sanguineus*, *Hippobosca longipennis*, *Heterodoxus spiniger* on *Canis familiaris*, geographic distribution, seasonal variance, climate, sex ratio of parasites: Egypt
- Heterodoxus spiniger* (Enderlein), illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 20 (3), 1-77  
synonymy, key
- Heterodoxus spiniger* (Enderlein), illus.  
Rao, N. S. K.; Khuddu, C. A.; and Channa-Basavanna, G. P., 1975, *Mysore J. Agric. Sc.*, v. 9 (4), 670-688  
morphology of mouth parts, compared with *Lipeurus tropicalis*
- Heteronychia haemorrhoides* (Boett.)  
Verves, Iu. G., 1976, *Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool.* (3), 28  
*Helicidae*: Kiev-Sviatoshinsk region, Kievsk oblast
- Heteronychia vagans* (Mg.)  
Verves, Iu. G., 1976, *Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool.* (3), 28  
*Succineidae*: Kiev-Sviatoshinsk region, Kievsk oblast
- Hexidionis Vercammen-Grandjean* and Loomis 1967  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Hippobosca capensis*  
Misra, S. C.; Mohapatra, G. S.; and Sahoo, B., 1976, *Food Farm. and Agric.*, v. 7 (10), 39-41  
prevalence of infestation  
dogs (perineal region): Orissa
- Hippobosca capensis* Olfers  
Singh, A.; and Chhabra, R. C., 1974, *Indian J. Animal Sc.*, v. 43 (5), 1973, 393-397  
seasonal distribution  
*Canis familiaris* (body fleece): Hissar and suburbs, India
- Hippobosca longipennis* Fabricius, 1805  
Amin, O. M.; and Madbouly, M. H., 1973, *J. Med. Entom.*, v. 10 (3), 295-298  
*Rhipicephalus sanguineus*, *Hippobosca longipennis*, *Heterodoxus spiniger* on *Canis familiaris*, geographic distribution, seasonal variance, climate, sex ratio of parasites: Egypt



- Hippobosca longipennis*  
Bram, R. A., 1974, J. Am. Vet. Med. Ass., v. 165 (6), 494-496 [Letter]  
*Hippobosca longipennis* on imported cheetahs, possibility of becoming established on a variety of hosts, importance of control measures: United States (Georgia; Texas; California; Oregon)
- Hippobosca longipennis*, illus.  
Keh, B.; and Hawthorne, R. M., 1977, J. Zoo Animal Med., v. 8 (4), 19-24  
*Hippobosca longipennis* on imported *Acinonyx jubatus*, attempted control with various insecticidal dusts, good results and complete eradication with carbaryl + sulfur; importance of detecting and eliminating future foci of imported *H. longipennis*: San Pasqual Wild Animal Park, California, imported from East Africa
- Hippobosca maculata*  
Misra, S. C.; Mohapatra, G. S.; and Sahoo, B., 1976, Food Farm. and Agric., v. 7 (10), 39-41  
prevalence of infestation  
cattle  
dogs  
(perineal region of all): all from Orissa
- Hippobosca variegata*  
Dipeolu, O. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 33-39  
occurrence, distribution and breeding sites of blood sucking flies in Nigeria
- Hippobosca variegata* (Megele)  
Iwuala, M. O. E.; and Onyeka, J. O. A., 1977, Environment. Entom., v. 6 (1), 43-49  
survey of domestic fly population, distribution patterns, diurnal and seasonal variations: Nsukka, East Central State, Nigeria
- Hippoboscidae*  
Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 71-76  
review of the phoretic relationship between Mallophaga and Hippoboscidae
- Hippoboscidae* [ae sp.]  
Croft, R. E.; and Kingston, N., 1975, J. Wildlife Dis., v. 11 (2), 229-233  
*Falco mexicanus*: Wyoming
- Hipposiderobia aselliscus* spec. nov., illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
*Aselliscus tricuspidatus novebridensis* (poils du dos): Aouta, Aore Is., Nouvelles-Hebrides
- Hipposiderobia okinawaensis* spec. nov., illus.  
Uchikawa, K., 1976, Annot. Zool. Japon., v. 49 (3), 205-208  
*Hipposideros turpis*: Yonebara, Ishigaki, Okinawa Prefecture, Japan
- Hipposideroptes* nov. gen.  
Fain, A., 1971, Acarologia, v. 12 (3), 509-521  
Ereynetidae, Speleognathinae  
key, tod: *H. kimuenzae* nov. spec.
- Hipposideroptes kimuenzae* nov. spec. (tod), illus.  
Fain, A., 1971, Acarologia, v. 12 (3), 509-521  
key  
*Hipposideros commersoni gigas* (fosses nasales): Kinshasa, Congo
- Hirstionyssus* sp.  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Microtus p. pennsylvanicus*: Kenosha County, Wisconsin
- Hirstionyssus* sp.  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool. Zhurnal, v. 54 (1), 151-153  
*Ochotona alpina*: Western Sayan Mountains
- Hirstionyssus* n. sp. Eads, Trevino & Campos, 1965  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus liomys* Herrin & Yunker, 1973
- Hirstionyssus affinis* Allred & Beck, 1966 (in part), Strandtmann & Morlan, 1953 (not Jameson, 1950)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus paraffinis* Herrin, 1970
- Hirstionyssus arcuatus*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*: Coles County, Illinois
- Hirstionyssus arcuatus* Drummond, 1957 (in part) (not Koch, 1839)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus blarinae* Herrin, 1970
- Hirstionyssus arcuatus* Drummond, 1957 (in part) (not Koch, 1839)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus talpae* Zenskaya, 1955
- Hirstionyssus blarinae* Herrin  
Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, Proc. Indiana Acad. Sc., v. 83, 1973, 478-481  
*Scalopus aquaticus* (fur): Indiana
- Hirstionyssus blarinae* Herrin, 1970  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Hirstionyssus carnifex* (Koch)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus norvegicus caraco*: Korea

- Hirstionyssus carnifex* Allred & Goates, 1964, Keegan, 1953 (not Koch, 1839)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus utahensis* Allred & Beck, 1966
- Hirstionyssus criceti* (Sulz.)  
Dusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
*Lagurus lagurus*: Karagandinsk oblast
- Hirstionyssus cynomys* (Radford, 1941)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Hirstionyssus eusoricis*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool. Zhurnal, v. 54 (1), 151-153  
*Ochotona alpina*: Western Sayan Mountains
- Hirstionyssus femoralis* Allred  
Rust, R. W., 1973, J. Med. Entom., v. 10 (2), 169-175  
ectoparasitic mites of *Thomomys bottae*, mite age structure, seasonal fluctuations, effect of host macro- and microenvironment on host specificity  
*Thomomys bottae*: Davis, California
- Hirstionyssus femoralis* Allred, 1957  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Hirstionyssus geomydis* Howard and Childs, 1959 (not Keegan, 1946)
- Hirstionyssus femoralis* Allred & Beck, 1966 (in part) (not Allred, 1957)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus longichelae* Allred & Beck, 1966
- Hirstionyssus geomydis* Howard and Childs, 1959 (not Keegan, 1946)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus femoralis* Allred, 1957
- Hirstionyssus heliosciurus*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Heliosciurus gambianus*: Ibadan Area, Western Nigeria
- Hirstionyssus hilli* (Jameson, 1950)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Hirstionyssus triacanthus* Goates, 1963 (in part) (not Jameson, 1950)
- Hirstionyssus incomptus* (Eads & Hightower, 1952)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Hirstionyssus triacanthus* Goates, 1963 (in part) (not Jameson, 1950)
- Hirstionyssus invaginatus* Allred & Beck, 1966 (in part)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus thomomys* Allred & Beck, 1966
- Hirstionyssus invaginatus* Allred & Beck, 1966 (in part)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus cynomys* (Radford, 1941)
- Hirstionyssus isabellinus*  
Dusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
*Lagurus lagurus*: Karagandinsk oblast
- Hirstionyssus isabellinus*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool. Zhurnal, v. 54 (1), 151-153  
*Ochotona alpina*: Western Sayan Mountains
- Hirstionyssus isabellinus* (Oudemans)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus norvegicus caraco*: Korea
- Hirstionyssus latiscutatus* (de Meillon & Lavoipierre, 1944)  
Edler, A.; and Nilsson, A., 1973, Entom. Scand., v. 4 (4), 274-282  
ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden
- Hirstionyssus latiscutatus* (de Meillon & Lavoipierre, 1944)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Hirstionyssus (Hirstionyssus) liomys* n. sp., illus.  
Herrin, C. S.; and Yunker, C. E., 1973, J. Med. Entom., v. 10 (3), 269-273  
*Liomys irroratus*: Cameron Co., Texas
- Hirstionyssus liomys* Herrin & Yunker, 1973  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Hirstionyssus* n. sp. Eads, Trevino & Campos, 1965
- Hirstionyssus longichelae* Allred & Beck, 1966  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Hirstionyssus meridianus* Zem.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan

- Hirstionyssus musculi* Johnt.  
 Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
 Zool. Zhurnal, v. 54 (1), 124-127  
*Lagurus lagurus*: Karagandinsk oblast
- Hirstionyssus musculi* Johnston, 1849  
 Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
 Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
 Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Hirstionyssus obsoletus* Jameson, 1950 (in part),  
 Hansen, 1964 (not Jameson, 1950)  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Hirstionyssus utahensis* Allred &  
 Beck, 1966
- Hirstionyssus occidentalis* Allred, 1957, 1964,  
 Strandtmann & Morlan, 1953 (in part) (not  
 Ewing, 1923)  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Hirstionyssus utahensis* Allred &  
 Beck, 1966
- Hirstionyssus paraffinis* Herrin, 1970  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 Syn.: *Hirstionyssus affinis* Allred & Beck,  
 1966 (in part), Strandtmann & Morlan, 1953  
 (not Jameson, 1950)
- Hirstionyssus perognathi* Herrin, 1970  
 Herrin, C. S.; and Yunker, C. E., 1973, J.  
 Med. Entom., v. 10 (3), 269-273  
*Liomys irroratus*: Cameron Co., Texas
- Hirstionyssus talpae*  
 Whitaker, J. O., jr.; Jones, G. S.; and  
 Pascal, D. D., jr., 1975, J. Elisha Mitchell  
 Scient. Soc., v. 91 (1), 13-17  
*Sorex fumeus*: Fires Creek area, Nantahala  
 Mountains, North Carolina
- Hirstionyssus talpae* Zemskaya, 1955  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 synonymy
- Hirstionyssus thomomys* Allred & Beck, 1966  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 Syn.: *Hirstionyssus invaginatus* Allred &  
 Beck, 1966 (in part)
- Hirstionyssus triacanthus* Goates, 1963 (in part)  
 (not Jameson, 1950)  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Hirstionyssus incomptus* (Eads &  
 Hightower, 1952)
- Hirstionyssus triacanthus* Goates, 1963 (in part)  
 (not Jameson, 1950)  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Hirstionyssus hilli* (Jameson,  
 1950)
- Hirstionyssus utahensis* Allred & Beck  
 Amin, O. M., 1973, J. Med. Entom., v. 10 (1),  
 110-111  
*Peromyscus leucopus*: Parkside, Wisconsin
- Hirstionyssus utahensis* Allred & Beck  
 Amin, O. M., 1976, Great Lakes Entom.,  
 v. 9 (4), 195-198  
*Peromyscus leucopus noveboracensis*: Kenosha  
 County, Wisconsin
- Hirstionyssus utahensis*  
 Whitaker, J. O., jr.; Jones, G. S.; and  
 Pascal, D. D., jr., 1975, J. Elisha Mitchell  
 Scient. Soc., v. 91 (1), 13-17  
*Peromyscus maniculatus*: Fires Creek area,  
 Nantahala Mountains, North Carolina
- Hirstionyssus utahensis* Allred & Beck, 1966  
 Whitaker, J. O., jr.; and Wilson, N., 1974,  
 Am. Midland Naturalist, v. 91 (1), 1-67  
 synonymy
- Hirsutiella zachvatkini*  
 Vasil'eva, I. S., 1977, Zool. Zhurnal, v. 56  
 (1), 162-163  
*Hirsutiella zachvatkini*, *Leptotrombidium*  
*orientalis*, laboratory rearing techniques,  
 biology of free living stages
- Histiophorus* Friedrich, 1895: 433, public en  
 mars 1896  
 Fain, A., 1971, Acarologia, v. 12 (4), 824-  
 826  
 as syn. of *Schizocarpus* Trouessart, 1896
- Hoffmanniella Vercammen-Grandjean* 1960  
 Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
 asitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in  
 the Western Hemisphere
- Hoffmannina* Brennan and Jones 1959  
 Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
 asitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in  
 the Western Hemisphere
- Hoffmannina* Brennan and Jones, 1959  
 Brennan, J. M.; and Goff, M. L., 1977, J.  
 Parasitol., v. 63 (5), 908-914  
 redescription, key to larvae
- Hoffmannina dianneae* sp. n., illus.  
 Brennan, J. M.; and Goff, M. L., 1977, J.  
 Parasitol., v. 63 (5), 908-914  
 key  
*Rhipidomys macconnelli*: Cano Culebra  
 Daptomys venezuela: Cerro Duida, Cabecera  
 del Cano Negro  
 all from Amazonas, Venezuela
- Hoffmannina handleyi* Brennan and Jones, 1961  
 Brennan, J. M.; and Goff, M. L., 1977, J.  
 Parasitol., v. 63 (5), 908-914  
 key



- Hoffmannina haramotoi sp. n., illus.  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (5), 908-914  
 key  
 Liomys sp.: Chiapas, Mexico  
 Notiosorex crawfordi: Prurria, Mexico  
 Peromyscus sp.: Oaxaca, Palomaies, Mexico
- Hoffmannina libita sp. n., illus.  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (5), 908-914  
 key  
 Reithrodontomys sumichrasti  
 R. creper  
 Peromyscus nudipes  
 all from Boquete, Chiriqui, Panama
- Hoffmannina mahuensis sp. n., illus.  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (5), 908-914  
 key  
 Cryptotis thomasi: near Laguna Verde; near Tabay (Coromoto)  
 Thomasomys laniger: near Tabay (Coromoto)  
 Oryzomys minutus: near Tabay (Coromoto)  
 all from Merida, Venezuela
- Hoffmannina reedi Brennan, 1972  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (5), 908-914  
 key
- Hoffmannina suriana (Hoffmann)  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (5), 908-914  
 synonymy, key
- Hohorstiella Eichler, 1940  
 Zlotorzycka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
 lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: H. lata (Piaget, 1880)
- Hohorstiella gigantea (Denny, 1842)  
 Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
 synonymy, key
- Hohorstiella gigantea lata (Piaget, 1880), illus.  
 Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 214-226  
 description  
 [domestic pigeon]: Moldavian SSR
- Hohorstiella lata (Piaget, 1880) in Eichler, 1940  
 Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
 as syn. of Hohorstiella gigantea (Denny, 1842)
- Holakartikos Keler, 1938  
 Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 as syn. of Bovicola Ewing, 1929
- Holakartikos Keler, 1938  
 Zlotorzycka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
 lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: H. crassipes (Rudow, 1866)
- Holobomolochus embiotocae n. sp., illus.  
 Hanan, D. A., 1976, Bull. South. Calif. Acad. Sc., v. 75 (1), 22-28  
 Cymatogaster aggregata (nasal cavity)  
 Embiotoca jacksoni  
 Phanerodon furcatus  
 Damalichthys vacca  
 all from Anaheim Bay and Huntington Harbor, California
- Holobomolochus prolixus (Cressey)  
 Ho, J. S., 1975, Fish Bull. (165), State Calif., Resources Agency, Dept. Fish and Game, 69-72  
 Paralichthys californicus  
 Leptocottus armatus  
 (gill cavity of all): all from Anaheim Bay
- Holomenopon Eichler, 1941  
 Zlotorzycka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
 lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: H. cairinae Eichler, 1943; H. maxbeieri Eichler, 1954
- Homocerus minor (Piaget), illus.  
 Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Hoogstraalia Traub, 1951  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis
- Hoogstraalia vandiemeni Smit, 1958, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 diagnosis  
 Pachycephala olivacea  
 Turdus dauma  
 Sericornis humilis  
 all from Tasmania
- Hooperella Vercammen-Grandjean 1967  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in the Western Hemisphere
- Hoplomyophilus nativus Mendez, 1967, illus.  
 Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 key  
 Proechimys semispinosus: Venezuela
- Hoplophthirus euxeri (Ferris) Ewing 1929  
 Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
 as syn. of Enderleinellus euxeri Ferris, 1919

- Hoplopleura* Enderlein, 1904  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key  
key to species, adults: Venezuela  
Syn.: *Pterophthirus* Ewing, 1923
- Hoplopleura* sp.  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan
- Hoplopleura abeli*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key  
Akodon bogotensis: Venezuela: Merida, 5 km E and 6.5 km S Tabay, Laguna Verde; Tachira, 35 km S and 22 km W San Cristobal, Buena Vista; Trujillo, 15 km E Trujillo, Hda. Misisi
- Hoplopleura acanthopus* (Burmeister)  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
Microtus p. pennsylvanicus: Kenosha County, Wisconsin
- Hoplopleura acanthopus* (Burmeister 1839)  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
Apodemus sylvaticus  
Microtus arvalis  
Microtus agrestis  
Mustela erminea  
Mustela nivalis  
all from Schleswig-Holstein
- Hoplopleura acanthopus*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
Microtus ochrogaster ochrogaster: Coles County, Illinois
- Hoplopleura acanthopus*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
Microtus ochrogaster: Warren County, Kentucky
- Hoplopleura acanthopus* (Burm.)  
Haitlinger, R., 1976, Polskie Pismo Entom., v. 46 (2), 207-239  
seasonal variance  
Clethrionomys glareolus  
Microtus agrestis  
M. arvalis  
Pitymys subterraneus  
Apodemus tauricus  
Sorex araneus  
all from Gory Sowie
- Hoplopleura acanthopus* (Burmeister, 1838)  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
synonymy  
Microtus socialis  
M. nivalis  
Arvicola terrestris  
all from Iran
- Hoplopleura acanthopus* (Burmeister)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
Rattus norvegicus caraco: Korea
- Hoplopleura aethomydis* n. sp., illus.  
Kleynhans, K. P. N., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 299-302  
"Praomys arborarius. . . now known as Aethomys (Micaelamys) namaquensis": Zoutpansberg district, northern Transvaal
- Hoplopleura affinis* (Burm.)  
Haitlinger, R., 1976, Polskie Pismo Entom., v. 46 (2), 207-239  
seasonal variance  
Clethrionomys glareolus  
Microtus agrestis  
Apodemus agrarius  
Sorex araneus  
all from Gory Sowie
- Hoplopleura affinis* (Burmeister)  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
synonymy  
Apodemus sylvaticus: Iran
- Hoplopleura affinis* (Burmeister)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
Rattus norvegicus caraco: Korea
- Hoplopleura affinis affinis*: Eichler, 1960  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
as syn. of *Hoplopleura affinis* (Burmeister)
- Hoplopleura aitkeni*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key  
Akodon urichi: Venezuela: Sucre, 26 km ESE Carupano, Manacal; Dto. Federal, 5 km NNE Caracas and 29 km SW Caracas; Miranda, 15 km SW Caracas; Carabobo, 4.5 km SE Montalban, Savannah Aguirre; Montalban, Potserito
- Hoplopleura alata* Ferris, 1921, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
Syn.: *Pterophthirus alata* Ewing, 1923; [et auct.]  
Microcavia australis: Argentina

- Hoplopleura angulata* Ferris, 1921, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key, diagnosis, description  
*Rhipidomys venustus*: Venezuela  
*R. venezuelae*: Venezuela  
*R. couesi*: "  
*R. macconnelli*: "  
*R. goodfellowi*: "  
*R. caucensis*: "  
*Rhipidomys* sp.: "  
*Oryzomys concolor*: "  
*Rhipidomys leucodactylus*: Peru  
*R. latimanus*: Colombia  
*Nectomys sumichrasti*: Panama  
*Zygodontomys*: Trinidad
- Hoplopleura arizonensis* Stojanovich and Pratt 1961, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key, diagnosis, syn.: *Hoplopleura hirsuta* Ferris, 1921 (partim)  
*Sigmodon hispidus*  
*Oryzomys albigularis*  
all from Venezuela
- Hoplopleura audax* Ferris, 1921, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
diagnosis, redescription, syn.: *Pterophthirus audax* Ewing, 1923; [et auct.]  
*Hoplopleura gymnaura*: Panama  
*Tylomys mirae*: North Ecuador
- Hoplopleura audax* Ferris, 1921 (partim, male only)  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
as syn. of *Hoplopleura splendida* new sp.
- Hoplopleura brasiliensis* Werneck, 1932, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
diagnosis, description  
*Oryzomys capito*: Trinidad; Amapa Territory, Brazil
- Hoplopleura captiosa* Johnson, 1960  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
Syn.: *Hoplopleura longula* (Neumann) (partim); Zwolski, 1960  
*Mus musculus*  
*Meriones libycus*  
all from Iran
- Hoplopleura chippauxi* Paulian & Pajot, 1966, illus.  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 425-455  
description of nymphal stages  
*Arvicantha niloticus*: Dahomey; Nigeria; Togo
- Hoplopleura contigua*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key  
*Holochilus brasiliensis*: Venezuela: Trujillo, 30 km NW Valera, near El Dividive; Carabobo, Montalban, Potserito; Bolivar, 146 km S, 7 km E Ciudad Bolivar, Hato San Jose; Monagas, 55 km SE Maturin, Mata de Bejuco  
*Sigmodon hispidus*: Carabobo, Montalban, Potserito, Venezuela
- Hoplopleura cutchicus* n. sp., illus.  
Mishra, A. C.; and Kaul, H. N., 1973, J. Med. Entom., v. 10 (1), 43-46  
*Rattus cutchicus*: Baneshwar (Bar ka Ghat), Sirohi distt, Rajasthan State, India
- Hoplopleura edentula* Fahrenholz 1916  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Clethrionomys glareolus*: Schleswig-Holstein
- Hoplopleura edentula* Fahr.  
Haitlinger, R., 1976, Polskie Pismo Entom., v. 46 (2), 207-239  
seasonal variance  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Pitymys subterraneus*  
*Sorex araneus*  
*Apodemus tauricus*  
all from Gory Sowie
- Hoplopleura edentula* (Fahr. 1916)  
Scherf, H., 1976, Mitt. Deutsch. Entom. Gesellsch., v. 35 (4-6), 85-90  
*Hoplopleura edentula*, bionomics, seasonal distribution and life cycle in relation to seasonal hair changes in juvenile and mature  
*Clethrionomys glareolus*: Naturpark Hoher Vogelsburg
- Hoplopleura erratica* (Osborn)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Tamias striatus*: Parkside, Wisconsin
- Hoplopleura erratica* (Osborn)  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Tamias striatus ohionensis*: Kenosha County, Wisconsin
- Hoplopleura exima*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key  
*Anotomys trichotis*: Venezuela: Tachira, 35 km S, 22 km W San Cristobal, Buena Vista
- Hoplopleura fonsecai* Werneck, 1934, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
diagnosis, redescription  
*Oxymeris rufus nasutus*: Department of Rocha, Uruguay
- Hoplopleura funambuli* n. sp., illus.  
Bilqees, F. M., 1976, Pakistan J. Zool., v. 8 (1), 43-45  
*Funambulus pennanti*: Karachi, Pakistan
- Hoplopleura handleyi*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
key  
*Neacomys tenuipes*: Dto. Federal, 3 km N Caracas, Los Venados, Venezuela



- Hoplopleura hesperomydis* (Osborn)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
    *Tamias striatus*  
    *Peromyscus leucopus*  
    all from Parkside, Wisconsin
- Hoplopleura hesperomydis* (Osborn)  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
    *Peromyscus leucopus noveboracensis*: Kenosha County, Wisconsin
- Hoplopleura hesperomydis*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
    *Peromyscus leucopus noveboracensis*: Coles County, Illinois
- Hoplopleura hesperomydis*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
    seasonal occurrences  
    *Peromyscus leucopus*: Warren County, Kentucky
- Hoplopleura hesperomydis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
    *Peromyscus leucopus*  
    *P. maniculatus*  
    all from Fires Creek area, Nantahala Mountains, North Carolina
- Hoplopleura hirsuta* Ferris, 1921 (partim)  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
    as syn. of *Hoplopleura arizonensis* Stojanovich and Pratt
- Hoplopleura hybomyis* sp. nov., illus.  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
    *Hybomys trivirgatus*: University of Lagos, Federal District, Nigeria
- Hoplopleura imitans* (Werneck), illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
    Syn.: *Pterophthirus imitans* Werneck, 1942  
    *Cavia pamparum*: South America (Zool. Soc. London Gardens); Chaco, Las Palmas, Argentina  
    *Cavia* sp.: Department of Lavalleja, Uruguay
- Hoplopleura indiscreta*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
    key  
    *Thomasomys lugens*: Venezuela: Merida, 5 km E, 1 km S Tabay, and 3 km W Timotes  
    *T. laniger*: Merida, 5 km S, 7 km E Tabay, Venezuela
- Hoplopleura inexpectans* Johnson, 1960  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
    *Praomys jacksoni*  
    *Lemniscomys barbarus*  
    all from Nigeria
- Hoplopleura intermedia* Kellogg & Ferris, 1915  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
    *Mastomys natalensis*: Dahomey; Nigeria; Togo  
    *Mastomys erythroleucus*: Dahomey  
    *Taterillus nigeriae*: Dahomey  
    *Tatera welmanni*: Nigeria  
    *Tatera kempii*: Nigeria  
    *Praomys jacksoni*: Nigeria  
    bat: Nigeria
- Hoplopleura inusitata*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
    key  
    *Echimys semivillosus*: Lara, 10 km N El Tocuyo, Venezuela
- Hoplopleura johnsonae* Kim  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
    *Mus caroli*: Korea
- Hoplopleura longula* (Neumann) (partim): Zwolski, 1960  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
    as syn. of *Hoplopleura captiosa* Johnson, 1960
- Hoplopleura malabarica* Werneck  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
    *Bandicota indica nemorivaga*: Taiwan
- Hoplopleura merionidis* Ferris, 1921, illus.  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
    description of male and nymphs, redescription of female  
    *Meriones libycus*  
    *M. crassus*  
    all from Iran
- Hoplopleura multilobata* Werneck, sensu lato, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
    key, diagnosis, redescription  
    *Oryzomys albigularis*: Venezuela; Colombia  
    *O. minutus*: Venezuela  
    *O. concolor*: "  
    *Heteromys anomalus*: Venezuela
- Hoplopleura myomyis* sp. nov., illus.  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
    *Myomys daltoni*: Northern Region, Nigeria (Bida; Karaduwa; Mada River; Panisau; Ugar Jabar)  
    *Myomys fumatus*: Kouande, Atacora Region, Dahomey  
    *Praomys tullbergi*: Nigeria (Sapoba Forest Reserve, Midwestern Region; University of Lagos, Federal District)  
    *Taterillus gracilis*: Bida, Northern Region, Nigeria  
    *Hylomyscus alleni*: Igbo-Ora, Western Region, Nigeria  
    bats?: Igbo-Ora, Western Region, Nigeria

- Hoplopleura nesoryzomydis* Ferris, 1921, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key, diagnosis, redescription, syn.: *Hoplopleura quadridentata*, Ferris, 1921 (partim)  
*Zygodontomys brevicauda*  
*Oryzomys fulvescens*  
*O. minutus*  
*Heteromys anomalus*  
all from Venezuela
- Hoplopleura orinocoi*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key  
*Mesomys hispidus*: T. F. Amazonas, about  
84 km SSE Esmeralda, Venezuela
- Hoplopleura oryzomydis* Pratt and Lane, 1951, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key, diagnosis  
*Nectomys alfari*: Venezuela
- Hoplopleura pacifica* Ewing, 1924  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3),  
189-199  
arthropods ectoparasitic upon mammals and  
birds, factors affecting host specificity  
*Rattus rattus*: New Hebrides
- Hoplopleura pacifica* Ewing  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4  
(2), 145-154  
*Rattus exulans*: Thailand  
*R. e. querceti*: Luzon, Philippines  
*R. luzonicus*: Luzon, Philippines  
*R. norvegicus*: Taiwan  
*R. n. caraco*: Korea  
*R. rattus mindanensis*: Luzon, Philippines  
*Apomys datae*: Luzon, Philippines
- Hoplopleura pelomydis* Ferris, 1921  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
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*Lemniscomys striatus*: Dahomey; Nigeria; Togo
- Hoplopleura quadridentata* (Neumann), illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
synonymy, key, diagnosis, redescription  
*Nectomys squamipes*  
*Holochilus brasiliensis*  
all from Venezuela
- Hoplopleura quadridentata*, Ferris, 1921 (partim)  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
as syn. of *Hoplopleura nesoryzomydis*  
Ferris, 1921
- Hoplopleura rimae*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key  
*Oryzomys minutus*: Venezuela: Merida, 5 km  
S, 7 km E Tabay, near La Coromoto; Tachira,  
Trujillo, Sucre, and Dto. Federal  
*O. albigularis*: Venezuela  
*Oryzomys* sp.: "
- Hoplopleura rukenyae* Ferris, 1921  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Mus minutoides*: Dahomey
- Hoplopleura scapteromydis* Ronderos, 1965, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
diagnosis, redescription  
*Scapteromys* sp.: Departments of Soriano,  
Trienta y Tres, and Maldonado, Uruguay
- Hoplopleura sciuricola* Ferris  
Amin, O. M., 1976, Great Lakes Entom.,  
v. 9 (4), 195-198  
*Sciurus niger rufiventer*: Kenosha County,  
Wisconsin
- Hoplopleura sciuricola* Ferris, 1921  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key  
*Sciurus granatensis*  
*S. igniventris*  
all from Venezuela
- Hoplopleura sciuricola*  
Whitaker, J. O., jr.; Spicka, E. J.; and  
Schmeltz, L. L., 1976, Proc. Indiana Acad.  
Sc., v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana
- Hoplopleura somereni* Waterston, 1923  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Dasymys incommis*: Dahomey; Nigeria  
*Mus musculoides*: Nigeria
- Hoplopleura spiculifer* (Gervais, 1844)  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
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*Lemniscomys barbarus*: Nigeria
- Hoplopleura splendida*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key, syn.: *Hoplopleura audax* Ferris, 1921  
(partim, male only)  
*Proechimys guyannensis*: Bolivar and other  
states of Venezuela; A. de Guarayos,  
Beni, Bolivia; Amapa Territory, Serra do  
Navio, and Para, Belem, Utinga Forest,  
Brazil  
*P. semispinosus*: Venezuela; San Javier,  
North Ecuador  
*P. guyannensis trinitatis*: Cumaca, Trinidad  
rat, probably *Proechimys*: "  
*P. semispinosus calidior*: San Javier, Ecua-  
dor
- Hoplopleura tiptoni*, new sp., illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key  
*Thomasomys laniger*: Venezuela: Merida, 4 km  
S, 6.5 km E, 5 km S and 7 km E Tabay, 7.5  
km E, 6 km S Tabay, La Coromoto  
*Akodon urichi*: Dto. Federal, 3 km N Caracas,  
Venezuela  
*Oryzomys minutus*: Merida, 4 km S, 6.5 km E  
Tabay, La Coromoto, Venezuela

- Hoplopleura travassosi* Werneck, 1932, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key, diagnosis, redescription  
*Oryzomys fulvescens*: Venezuela  
*O. concolor*: Venezuela  
*O. bicolor*: "  
*O. flavescens*: Uruguay  
*O. delticola*: Uruguay  
*Rhipidomys venustus*: Venezuela
- Hoplopleura veprecula* Ferris, 1921  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
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Tatera kempii: Dahomey
- Hoplopleura wernecki* (Guimaraes), illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (5), 1-62  
key, syn.: *Pterophthirus wernecki* Guimaraes,  
1950
- Hoplopsyllus affinis*  
Brittain, P. C.; and Voth, D. R., 1975, J.  
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*Lepus californicus melanotis*: Rocky Mountain  
Arsenal near Denver, Colorado
- Hoplopsyllus affinis* Baker 1904  
Towell, D. E.; and Price, M. A., 1976, South-  
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*Bassariscus astutus flavus*: Kerr County,  
Texas
- Hoplopsyllus anomalus*  
Coultrip, R. L.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors  
and reservoir hosts of Rocky Mountain spot-  
ted fever and sylvatic plague, serological  
evidence for presence of rickettsial agent  
but presence of plague not demonstrated  
*Spermophilus beecheyi*  
*Neotoma fuscipes*  
*Lynx rufus*  
all from Fort Ord, California
- Hoplopsyllus anomalus* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
*Spermophilus variegatus*: west of Rio Grande  
in and near Jemez Mts., New Mexico
- Hoplopsyllus* (E.) *glacialis*  
Tyler, J. D.; and Buscher, H. N., 1975, Proc.  
Oklahoma Acad. Sc., v. 55, 166-168  
*Sylvilagus auduboni*: Oklahoma
- Hoplopsyllus glacialis foxi*  
Coultrip, R. L.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors  
and reservoir hosts of Rocky Mountain spot-  
ted fever and sylvatic plague, serological  
evidence for presence of rickettsial agent  
but presence of plague not demonstrated  
*Sylvilagus bachmani*  
*Lepus californicus*  
*Peromyscus californicus*  
*Neotoma fuscipes*  
all from Fort Ord, California
- Hormopsylla* Jordan & Rothschild  
Mahnert, V., 1976, Rev. Suisse Zool., v. 83  
(3), 769-776  
*Ischnopsyllinae*  
key
- Hormopsylla trux*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
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*Tadarida macrotis*  
*Eumops perotis*  
all from Big Bend National Park, Texas
- Hyalomma* Koch, 1844  
Camicas, J. L., 1970, Acarologia, v. 12 (1),  
71-102  
key to species from Senegal
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Mikacic, D., 1970, Acta Parasitol. Iugoslav-  
ica, v. 1 (1-2), 97-102  
review of work on ticks in Yugoslavia with  
particular emphasis on *Hyalomma*
- Hyalomma*  
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tozoan disease, control with Pfizone spray-  
ing, evaluation of past results, recommen-  
dations for future: Shika, Nigeria
- Hyalomma* sp.  
Clifford, C. M.; Flux, J. E. C.; and Hoog-  
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40-47  
*Ixodidae* on *Lepus*, seasonal and regional  
abundance, age and sex of host  
*Lepus capensis*  
*L. crawshayi*  
all from Kenya
- Hyalomma* spp.  
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*Babesia equi*, outbreak in mares, clinical  
pathology, diagnosis, treatment with Berenil,  
vectors, *Hyalomma* spp.
- Hyalomma* sp.  
Mikacic, D., 1972, Acta Parasitol. Iugoslav-  
ica, v. 3 (1), 49-54  
seasonal occurrence: Pag
- Hyalomma* sp.  
Tovornik, D., 1970, Acta Parasitol. Iugoslav-  
ica, v. 1 (1-2), 103-106  
tick fauna in foci of Central European En-  
cephalitis; list of tick species found on  
birds: Yugoslavia
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A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-  
1317  
*ixodid* and *argasid* ticks, fine structure and  
function of palpal receptor organ



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Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
- Hyalomma albiparmatum* Schulze & Schlottke, 1930  
Peirce, M. A.; Irvin, A. D.; and Purnell, R. E., 1973, Bull. Epizoot. Dis. Africa, v. 21 (1), 29-31  
maintenance of *Hyalomma albiparmatum* under laboratory conditions, behavior as a two-host or part three-host tick when feeding on rabbits
- Hyalomma albiparmatum* Schultze & Schlottke  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
*Giraffa camelopardalis tippelskirchi*: Kenya
- Hyalomma anatolicum*, illus.  
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- Hyalomma anatolicum*  
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- Hyalomma anatolicum*  
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isolation of 3 strains of *Coxiella burnetii* from *Hyalomma* and *Rhipicephalus* ticks
- Hyalomma anatolicum*  
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*Hyalomma anatolicum*, effects of  $^{60}\text{Co}$  irradiation on development; 1000 R to ticks infected with *Theileria annulata* failed to prevent transmission to calves
- Hyalomma anatolicum*  
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- Hyalomma anatolicum*  
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- Hyalomma anatolicum*  
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*Theileria annulata* in salivary gland suspensions of *Hyalomma anatolicum*, attenuation by cobalt-60 irradiation, further investigations needed to test suitability of technique for immunoprophylaxis
- Hyalomma anatolicum*  
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ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin
- Hyalomma* (H.) *anatolicum anatolicum*  
Bansal, G. C.; Gaur, S. N. S.; and Shah, H. L., 1977, Pantnagar J. Research, v. 2 (2), 244-246  
*Theileria annulata*, survey of cattle and buffaloes, low prevalence and lack of symptoms indicate resistance and carrier status; cross transmission experiments from calf with *Hyalomma anatolicum* as vector: successful only with calves, unsuccessful with guinea-pigs, rabbits and kids: Nainital Tarai
- Hyalomma anatolicum anatolicum* Koch, 1844, illus.  
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- Hyalomma anatolicum anatolicum*  
Daubney, R.; and Mahlau, E. A., 1967, Research Vet. Sc., v. 8 (3), 375-397  
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- Hyalomma anatolicum anatolicum*  
Gill, B. S.; Bhattacharyulu, Y.; and Kaur, D., 1976, Research Vet. Sc., v. 21 (2), 146-149  
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- Hyalomma anatolicum anatolicum*  
Nagar, S. K.; Raizada, R. N.; and Saxena, V. K., 1977, Indian J. Animal Sc., v. 47 (10), 654-663  
cat  
horse  
camel  
cow, undef. breed  
buffalo  
goat  
sheep  
pig  
all from Union Territory of Delhi
- Hyalomma* (*Hyalomma*) *anatolicum anatolicum* Koch, 1844  
Srivastava, P. S.; and Sharma, N. N., 1976, Indian J. Animal Research, v. 10 (1), 21-26  
*Hyalomma anatolicum anatolicum*, laboratory rearing and maintenance on rabbits and cattle, maintenance of *Theileria annulata* in ticks for transmission experiments

- Hyalomma* (*Hyalomma*) *anatolicum anatolicum*  
Srivastava, P. S.; and Sharma, N. N., 1976,  
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*Theileria annulata*, calves (exper.), morpho-  
logical features and characteristics, *Hyalomma*  
*anatolicum anatolicum-transmitted virulent*  
strain
- Hyalomma anatolicum anatolicum* Koch  
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*Hyalomma impeltatum*, H. a. *anatolicum*, H.  
*dromedarii*, vectors of Wanyowrie, Thogoto,  
and Dhori viruses, respectively; camels im-  
plicated as disseminator of arboviruses via  
infected ticks: Egypt
- Hyalomma anatolicum excavatum*  
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*Amblyomma variegatum*, *Hyalomma anatolicum*  
*excavatum*, transmission of *Nocardia*  
*farcinica* from rabbit to rabbit
- Hyalomma anatolicum excavatum*  
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191-196  
*Hyalomma anatolicum excavatum* on domestic  
animals, ecology, seasonal distribution,  
life cycle  
[*Bos taurus*]  
[*Camelus*]  
[*Ovis aries*]  
[*Capra hircus*]  
[*Equus caballus*]  
[*Equus asinus*]  
all from Turkmenia
- Hyalomma anatolicum excavatum*  
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*anatolicum excavatum*, comparison of life  
cycles, distribution, hosts, habitats;  
*Hyalomma asiaticum asiaticum* has pasture-  
burrow parasitism, *Hyalomma anatolicum ex-*  
*cavatum* has stall-pasture parasitism:  
Turkmenia
- Hyalomma* (H.) *anatolicum excavatum* Koch  
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551-557  
*Hyalomma* (H.) *dromedarii*, H. (H.) *anatolicum*  
*excavatum*, premolting nymphs, engorged and  
ovipositing females, total lipid fatty acids  
and free fatty acid fractions of hemolymph  
and gut and molting fluids, changes in rela-  
tion to feeding, molting, and oviposition
- Hyalomma anatolicum excavatum* (Koch, 1844)  
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intestine and haemolymph of *Hyalomma anatoli-*  
*cum excavatum*, microgamont-like stages, mi-  
crogamete-like stages, ookinete-like stages,  
electron microscopy
- Hyalomma anatolicum excavatum*  
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*tum*
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*excavatum*, development of kinetes, electron  
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ixodid ticks, water vapor uptake from at-  
mosphere, site (mouthparts) and mechanism  
(may be related to hygroscopic properties  
of salivary secretion)
- Hyalomma anatolicum excavatum*  
Schein, E., 1975, Ztschr. Parasitenk., v. 47  
(2), 165-167  
*Theileria annulata*, microgametes, macroga-  
metes, zygotes, ookinetes, sporonts, in mid-  
gut or haemolymph of *Hyalomma anatolicum ex-*  
*cavatum* (exper.)
- Hyalomma anatolicum excavatum*  
Schein, E., 1976, Ztschr. Parasitenk., v. 50  
(2), 205-206  
*Theileria annulata*, developmental stages in  
*Hyalomma anatolicum excavatum*
- Hyalomma anatolicum excavatum*  
Schein, E.; Buescher, G.; and Friedhoff, K. T.,  
1975, Ztschr. Parasitenk., v. 48 (2), 123-136  
*Theileria annulata*, developmental stages in  
gut of engorged *Hyalomma anatolicum excavatum*  
nymphs, microgamonts, microgametes, macro-  
gamonts, macrogametes, zygotes, kinetes,  
light microscopy
- Hyalomma asiaticum*, illus.  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev,  
A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-  
1317  
ixodid and argasid ticks, fine structure and  
function of palpal receptor organ
- Hyalomma asiaticum*, illus.  
Balashov, Iu. S.; and Leonovich, S. A., 1976,  
Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, mor-  
phology of Haller's organ, scanning electron  
microscopy
- Hyalomma asiaticum* P. Sch. et E. Schl., illus.  
Elizarov, Iu. A.; and Sinitsina, E. E., 1976,  
Vestnik Moskov. Univ., s. 6, Biol., Pochvoved.  
(1), 63-67  
*Hyalomma asiaticum*, morphology of palpal and  
Haller's organs, chemoreceptors and mechano-  
receptors, changes during development from  
larva to imago
- Hyalomma asiaticum asiaticum* Sch. et Schl.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk  
Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different land-  
scapes  
*Rhombomys opimus*: Turkmenistan

- Hyalomma asiaticum asiaticum*  
Berdiev, A., 1975, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (2), 62-66  
*Hyalomma asiaticum asiaticum*, *Hyalomma anatolicum excavatum*, comparison of life cycles, distribution, hosts, habitats;  
*Hyalomma asiaticum asiaticum* has pasture-burrow parasitism, *Hyalomma anatolicum excavatum* has stall-pasture parasitism:  
Turkmenia
- Hyalomma asiaticum asiaticum*  
Lvov, D. K.; et al., 1976, Arch. Virol., v. 51 (1-2), 15-21  
Tamdy virus (new arbovirus) isolated from ticks *Hyalomma asiaticum asiaticum* and *Hyalomma plumbeum plumbeum* collected in desert regions of Uzbek S.S.R. and the Turkmen S.S.R.
- Hyalomma (Hyalomma) brevipunctata* Sharif, 1928  
Hiregoudar, L. S., 1976, Indian Vet. J., v. 53 (3), 237  
*Boselaphus tragocamelus* (perineal region, underside of abdomen, between legs)  
Axis axis (perineal region)  
all from Gir forest, Gujarat State, India
- Hyalomma (Hyalomma) brevipunctata*  
Nagar, S. K.; Raizada, R. N.; and Saxena, V. K., 1977, Indian J. Animal Sc., v. 47 (10), 654-663  
camel  
sheep  
all from Union Territory of Delhi
- Hyalomma crassitarsus* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma longirostre* (Koch, 1844)
- H[*yalomma*] *detritum*  
Angelovski, T.; and Iliev, A., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 17-20  
*Theileria dispar*, cattle, occurrence of H[*yalomma*] *excavatum* and H[*yalomma*] *detritum* on most sick animals: Macedonia
- Hyalomma detritum*, illus.  
Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
- Hyalomma detritum*  
Samish, M.; and Pipano, E., 1977, J. Protozool., v. 24 (2), Suppl., 19A [Abstract]  
*Theileria annulata*-infected *Hyalomma detritum*, storage at -79°C. of triturated tick suspensions, successful subsequent infection of calves
- Hyalomma detritum*  
Samish, M.; Pipano, E.; and Tsafir, N., 1975, J. Protozool., v. 22 (3), 73A [Abstract]  
*Theileria annulata*, exper. transmission to cattle by *Hyalomma detritum*
- Hyalomma detritum* Schulze  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Bos indicus*  
*Canis familiaris* (footpads, body)  
*Asinus asinus* and/or *Equus caballus* (groin)  
all from Hissar and suburbs, India
- Hyalomma detritum*  
Trifonov, T., 1975, Vet. Med. Nauki, v. 12 (5), 70-79  
ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin
- Hyalomma detritum*  
Tsafir, N.; Pipano, E.; and Hadani, A., 1973, J. Protozool., v. 20 (4), 534  
*Hyalomma detritum* was able to transmit *Theileria annulata* regardless of mode of infection of calves on which fed during preimaginal stage (natural tick transmission vs. blood inoculation from acutely or chronically infected calves)
- Hyalomma dromedarii*  
Bassal, T. T. M., 1977, J. Parasitol., v. 63 (4), 758-759  
*Hyalomma dromedarii*, female ticks during oogenesis and oviposition, demonstration of guanine biosynthesis
- Hyalomma dromedarii*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
dromadaire  
zebu  
all from Ethiopia
- Hyalomma dromedarii* Koch, 1844, illus.  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
key, larva described, measurements
- Hyalomma dromedarii* and/or *H. impeltatum*  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
*Gerbillus* sp.: Mauritanie  
*G. nanus*: Mauritanie  
*G. nigeriae*: Mauritanie  
*G. pyramidum*: Mauritanie  
*Psammomys obesus*: Mauritanie  
*Lepus aegyptius*: Senegal
- Hyalomma dromedarii*  
Gill, B. S.; et al., 1976, Nature (5584), v. 264, 355-356  
*Theileria annulata*, calves, vaccination with schizonts grown in tissue culture, full immunity to severe tick (*Hyalomma dromedarii*) challenge
- Hyalomma dromedarii*  
Gill, B. S.; et al., 1977, Ann. Recherches Vet., v. 8 (3), 285-292  
*Theileria annulata*, cattle, successful immunization by infecting with one-tick stabilate (*Hyalomma dromedarii*) and simultaneous treatment with chlortetracycline



- Hyalomma dromedarii*  
Gill, B. S.; Bhattacharyulu, Y.; and Kaur, D., 1976, Research Vet. Sc., v. 21 (2), 146-149  
Theileria annulata, calves, tick-induced infections (*Hyalomma anatolicum anatolicum* or *H. dromedarii*), immunization using chlor-tetracycline prophylactically
- Hyalomma* (*H.*) *dromedarii* Koch  
Hajjar, N. P., 1972, J. Med. Entom., v. 9 (6), 551-557  
*Hyalomma* (*H.*) *dromedarii*, *H. (H.) anatolicum excavatum*, premolting nymphs, engorged and ovipositing females, total lipid fatty acids and free fatty acid fractions of hemolymph and gut and molting fluids, changes in relation to feeding, molting, and oviposition
- Hyalomma dromedarii*  
Hamdy, B. H., 1973, J. Med. Entom., v. 10 (4), 345-348  
*Hyalomma dromedarii*, cycle of nitrogenous excretion of nymphs and females, feeding and postfeeding states
- Hyalomma dromedarii*  
Nagar, S. K.; Raizada, R. N.; and Saxena, V. K., 1977, Indian J. Animal Sc., v. 47 (10), 654-663  
camel  
cow, undef. breed  
all from Territory of Delhi
- Hyalomma dromedarii* (Koch, 1844), illus.  
Nosek, J.; and Rehacek, J., 1977, Biologia, Bratislava, s. B, Zool., v. 32 (2), 101-103  
abnormalities in laboratory bred *Hyalomma dromedarii* apparently due to hormonal disorder rather than mechanical injury
- Hyalomma dromedarii* Koch  
Rehacek, J.; and Kovacova, E., 1976, Biologia, Bratislava, s. C, Biol., v. 31 (3), 187-191  
*Hyalomma dromedarii*, pleomorphism of *Rickettsia akari* in parentally infected females
- Hyalomma dromedarii* Koch  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Camelus dromedarii* (groin, mammary glands, under root of tail)  
*Capra hircus* (ears)  
all from Hissar and suburbs, India
- Hyalomma dromedarii*, illus.  
Sweatman, G. K.; Tomey, G.; and Katul, G., 1976, Internat. J. Parasitol., v. 6 (4), 299-305  
*Hyalomma dromedarii*, techniques for simultaneous and continuous recording by telemetry of (1) the feeding electrogram of the tick engorging on a free-ranging heifer and (2) the temperature of the tick at the site of attachment
- Hyalomma dromedarii* Koch  
Williams, R. E.; et al., 1973, J. Med. Entom., v. 10 (2), 143-146  
*Hyalomma impeltatum*, *H. a. anatolicum*, *H. dromedarii*, vectors of Wamowrie, Thogoto, and Dhori viruses, respectively; camels implicated as disseminator of arboviruses via infected ticks: Egypt
- H[yalomma] excavatum*  
Angelovski, T.; and Iliev, A., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 17-20  
Theileria dispar, cattle, occurrence of *H[yalomma] excavatum* and *H[yalomma] detritum* on most sick animals: Macedonia
- Hyalomma excavatum*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
chevre  
dromadaire  
zebu  
all from Ethiopia
- Hyalomma excavatum*  
Hadani, A.; et al., 1977, J. Protozool., v. 24 (4), 65A [Abstract]  
*Nuttallia danii*, gerbils, relatively short span of time between tick (*Hyalomma excavatum*) transmission of parasite and its appearance in the blood makes the existence of exo-erythrocytic forms highly improbable
- Hyalomma excavatum* (Koch, 1844)  
Hadani, A.; Kauffman, B.; and Barnett, S. F., 1975, J. Protozool., v. 22 (3), 71A [Abstract]  
*Nuttallia danii*, development in salivary glands of *Hyalomma excavatum*
- Hyalomma excavatum*  
Hadani, A.; and Theodor, O., 1973, J. Protozool., v. 20 (4), 532 [Abstract]  
factors affecting the rate of infection of *Hyalomma excavatum* nymphs with *Nuttallia danii*: host splenectomy, stage of disease, route of transmission (blood vs. tick-borne)
- Hyalomma excavatum*  
Hadani, A.; Ziv, M.; and Rechav, Y., 1977, Entom. Exper. et Applic., v. 22 (1), 53-59  
*Hyalomma excavatum* on *Meriones tristrami* (exper.), acaricidal properties of tick repellents (diethyl toluamide, benzyl benzoate, and dimethyl phthalate), best results with diethyl toluamide
- Hyalomma excavatum* Koch  
Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742  
fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal
- Hyalomma excavatum*  
Samish, M., 1977, J. Protozool., v. 24 (4), 67A-68A [Abstract]  
*Theileria annulata*, transmission by *Hyalomma excavatum*, high temperature and humidity may cause uninfected particles in unfed ticks to change into infective ones

- Hyalomma excavatum*  
Samish, M., 1977, Nature, London (5632), v. 270, 51-52  
Theileria annulata, temperature of 37°C and relative humidity of 95% stimulates production of infective parasite forms in infected adult *Hyalomma excavatum* ticks without the need for a blood meal
- Hyalomma hussaini*  
Nagar, S. K.; Raizada, R. N.; and Saxena, V. K., 1977, Indian J. Animal Sc., v. 47 (10), 654-663  
camel  
sheep  
all from Union Territory of Delhi
- Hyalomma impeltatum*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
dromadaire  
zebu  
all from Ethiopia
- Hyalomma impeltatum* Schulze et Schlottke, 1930, illus.  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
key, larva described, measurements
- Hyalomma impeltatum* and/or *H. dromedarii*  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
Gerbillus sp.: Mauritanie  
G. nanus: Mauritanie  
G. nigeriae: Mauritanie  
G. pyramidum: Mauritanie  
Psammomys obesus: Mauritanie  
Lepus aegyptius: Senegal
- Hyalomma impeltatum* Schulze & Schlottke  
Williams, R. E.; et al., 1973, J. Med. Entom., v. 10 (2), 143-146  
*Hyalomma impeltatum*, *H. a. anatolicum*, *H. dromedarii*, vectors of Wanyowrie, Thogoto, and Dhori viruses, respectively; camels implicated as disseminator of arboviruses via infected ticks: Egypt
- Hyalomma impressum* Koch, 1844, illus.  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
key, larva described, measurements  
Atelerix albiventris  
Arvicanthus niloticus  
all from Senegal
- Hyalomma impressum* Koch  
Wills, W.; and Larouze, B., 1976, Melsheimer Entom. Ser. (21), 1-4  
cow: Djikoron, Mali
- Hyalomma longirostre* Neumann, 1901  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma longirostre* (Koch, 1844)
- Hyalomma marginatum*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu: Ethiopia
- Hyalomma marginatum* Koch 1844  
Mikacic, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 49-54  
seasonal occurrence: Rab and Pag
- Hyalomma marginatum*  
Tovornik, D., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 103-106  
tick fauna in foci of Central European Encephalitis; list of tick species found on birds: Yugoslavia
- Hyalomma marginatum isaaci*  
Nagar, S. K.; Raizada, R. N.; and Saxena, V. K., 1977, Indian J. Animal Sc., v. 47 (10), 654-663  
cow, Sahiwal x Friesian: Territory of Delhi
- Hyalomma marginatum isaaci* Sharif  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
Bubalus bubalis  
Bos indicus  
Ovis aries (ears, under root of tail)  
all from Hissar and suburbs, India
- Hyalomma marginatum rufipes* Koch  
MacLeod, J.; et al., 1977, Bull. Entom. Research, v. 67 (1), 161-173  
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia
- Hyalomma marginatum rufipes*  
Matson, B. A.; and Norval, R. A. I., 1977, Rhodesian Vet. J., v. 8 (1), 2-6  
seasonal occurrence of adult ixodid ticks on cattle on a highveld farm: Rhodesia
- Hyalomma mauritanicum* Senevet, 1939, illus.  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38  
Sus scrofa: Alto Aragon
- Hyalomma nitidum*  
Converse, J. D.; et al., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 411-412 [Letter]  
Cameroun
- Hyalomma plumbeum*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ

- Hyalomma plumbeum*, illus.  
Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
- Hyalomma plumbeum*  
Georgiev, B.; et al., 1976, Vet. Med. Nauk., v. 13 (1), 94-100  
*Hyalomma plumbeum*, incidence and seasonal dynamics, farm animals: Pazardzh district
- H[*yalomma*] *plumbeum*  
Gladenko, I. M.; et al., 1975, Veterinariia, Kiev (42), 102-107  
R[hipicephalus] bursa, H[*yalomma*] *plumbeum*, sheep treated with dip in trolene, sevin or dicresyl, tick control, no effect on sheep
- H[*yalomma*] *plumbeum*  
Malinin, O. O.; and Shuliak, V. D., 1975, Veterinariia, Kiev (42), 107-109  
R[hipicephalus] bursa, H[*yalomma*] *plumbeum*, sheep treated with combination of sevin and trolene, good tick control, no negative effect on sheep (various blood values monitored)
- Hyalomma plumbeum*  
Trifonov, T., 1975, Vet. Med. Nauki, v. 12 (5), 70-79  
ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin
- Hyalomma plumbeum plumbeum* Panzer, 1796  
Lvov, D. K.; et al., 1976, Arch. Virol., v. 51 (1-2), 15-21  
Tamdy virus (new arbovirus) isolated from ticks *Hyalomma asiaticum asiaticum* and *Hyalomma plumbeum plumbeum* collected in desert regions of Uzbek S.S.R. and the Turkmen S.S.R.
- Hyalomma rufipes*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu: Ethiopia
- Hyalomma rufipes* Koch, 1844, illus.  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
key, larva described, measurements  
Gallinula chloropus  
Otus s. senegalensis  
Passer griseus  
Euplectes sp.  
Atelerix albiventris  
Erythrocebus patas  
Lepus aegyptius  
Euxerus erythropus  
Francolinus bicalcaratus  
Centropus senegalensis  
Tockus erythrorhynchus  
Acrocephalus scirpaceus  
Euplectes oryx franciscana  
Ploceus capitalis  
Ploceus cucullatus  
Quelea quelea  
Galerida cristata
- Hyalomma rufipes* Koch, 1844, illus.-- Continued.  
Camicas, J. L., 1970, Acarologia, v. 12 (1), 71-102  
Anthus trivialis  
Macronyx croceus  
Motacilla flava  
all from Senegal
- Hyalomma rufipes*  
Carmichael, I. H., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 27-29  
Syncerus caffer: Ngamiland, Botswana
- Hyalomma rufipes*  
Dipeolu, O. O.; and Ogunji, F. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (1), 25-31  
Amblyomma variegatum, *Hyalomma rufipes*, sheep (exper.), haematological changes, more pronounced in adult than in nymphal feeding, estimated weight of blood engorged by ticks
- Hyalomma rufipes*  
Dipeolu, O. O.; and Ogunji, F. O., 1977, Lab. Animals, v. 11 (1), 39-40  
Theileria annulata, transmission to a rabbit by larvae from eggs from engorged female tick *Hyalomma rufipes* from infected cattle, possibility of transovarial transmission
- Hyalomma rufipes*  
Matthewson, M. D.; and Baker, J. A. F., 1975, J. South African Vet. Ass., v. 46 (4), 341-344  
arsenic resistance: Republic of South Africa; Swaziland
- Hyalomma rufipes*  
Ogunji, F. O.; and Dipeolu, O. O., 1977, Ztschr. Parasitenk., v. 51 (3), 285-288  
Amblyomma variegatum, *Hyalomma rufipes*, Boophilus decoloratus, larval feeding on scrotum of sheep better than on ears, economical for rearing large numbers of ticks; greatest number of larvae engorged when fed within 1-4 days of hatching
- Hyalomma rufipes* Koch  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
Giraffa camelopardalis tippelskirchi: Kenya
- Hyalomma rufipes*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
Equus zebra zebra: Mountain Zebra National Park
- Hyalomma rufipes*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 195-198  
Antidorcas marsupialis: Mountain Zebra National Park near Cradock, Cape Province
- Hyalomma schulzei*  
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
Argasidae spp., Ixodidae spp., in vitro spermiogenesis



- Hyalomma schulzei*  
Rudolph, D.; and Knuelle, W., 1974, *Nature* (5452), v. 249, 84-85  
ixodid ticks, water vapor uptake from atmosphere, site (mouthparts) and mechanism (may be related to hygroscopic properties of salivary secretion)
- Hyalomma scupense*  
Trifonov, T., 1975, *Vet. Med. Nauki*, v. 12 (5), 70-79  
ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin
- Hyalomma scupense* P. Sch.  
Uspenskaia, I. G., 1971, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (7), 115-121  
ixodid ticks, influence of cultivated land on distribution: Moldavia
- Hyalomma truncatum*  
Bergeon, P.; and Balis, J., 1974, *Rev. Elevage et Med. Vet. Pays Trop.*, n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
chevre  
dromadaire  
mouton  
zebu  
all from Ethiopia
- Hyalomma truncatum* Koch, 1844, illus.  
Camicas, J. L., 1970, *Acarologia*, v. 12 (1), 71-102  
key, larva described, measurements  
Bubo africanus  
Centropus senegalensis  
Gallinula chloropus  
Passer griseus  
Upupa senegalensis  
Crociodura sp.  
Atelerix albiventris  
Lepus aegyptius  
Arvicanthus niloticus  
Cricetomys gambianus  
Mastomys sp.  
Taterillus sp.  
Euxerus erythropus  
Pterocles quadricinctus  
Laniarius barbarus  
Herpestes sanguineus  
all from Senegal
- Hyalomma truncatum*  
Carmichael, I. H., 1976, *Onderstepoort J. Vet. Research*, v. 43 (1), 27-29  
Syncerus caffer: Ngamiland, Botswana
- Hyalomma truncatum* Koch, 1844  
d'Huart, J. P., 1973, *Rev. Zool. et Botan. Africains*, v. 87 (2), 421-424  
Phacochoerus: Africa
- Hyalomma truncatum* Koch  
MacLeod, J.; et al., 1977, *Bull. Entom. Research*, v. 67 (1), 161-173  
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia
- Hyalomma truncatum*  
Matson, B. A.; and Norval, R. A. I., 1977, *Rhodesian Vet. J.*, v. 8 (1), 2-6  
seasonal occurrence of adult ixodid ticks on cattle on a highveld farm: Rhodesia
- Hyalomma truncatum*  
Wood, W. F.; et al., 1975, *J. Chem. Ecol.*, v. 1 (4), 501-509  
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay
- Hyperlaelaps microti* (Ewing)  
Amin, O. M., 1976, *Great Lakes Entom.*, v. 9 (4), 195-198  
Syn.: *Laelaps kochi* [of] Amin, 1973  
*Microtus p. pennsylvanicus*: Kenosha County, Wisconsin
- ?*Hypoaspis* sp.  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
Sorex fumeus  
Blarina brevicauda  
Peromyscus maniculatus  
Ochrotomys nuttalli  
Napaeozapus insignis  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Hypoaspis aculeifer* Canestrini, 1883  
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- Hypoaspis ambulans*: Tragardh, 1904  
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- Hypoaspis chaetopus* Mel.  
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Rhombomys opimus: Turkmenistan
- Hypoaspis heselhausi* Oudemans, 1912  
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- Hypoaspis lubrica* Voigts & Oudemans, 1904  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
Syn.: *Hypoaspis murinus* Strandtmann & Menzies, 1949
- Hypoaspis miles* (Berlese, 1892)  
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Syn.: *Cosmolaelaps gurabensis*, Fox, 1946

- Hypoaspis murinus* Str. et Men.  
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*Rhombomys opimus*: Turkmenistan
- Hypoaspis murinus* Stan. et Men.  
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*Lagurus lagurus*: Karagandinsk oblast
- Hypoaspis murinus* Str. et Men., 1948  
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*Rhinolophus mehelyi*: Azerbaidzhan
- Hypoaspis murinus* Strandtmann & Menzies, 1949  
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- Hypoaspis quadridentatus* Allred  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Hypodectidae Fain et Bafort, 1966  
Fain, A., 1968, J. Nat. Hist., v. 2 (4), 459-461  
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- Hypodectidae Fain & Bafort (1966)  
Fain, A.; and Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 320-324  
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- Hypoderidae Murray, 1877  
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Syn.: Hypodectidae Fain et Bafort, 1966
- Hypoderidae Murray (1877)  
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Syn.: Hypodectidae Fain & Bafort (1966)
- Hypoderma  
Brown, F. G., 1977, Vet. Parasitol., v. 3 (3), 265-270  
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- [Hypoderma]  
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- Hypoderma  
Khan, M. A.; Weintraub, J.; and Croome, G. C. R., 1977, Vet. Parasitol., v. 3 (3), 271-274  
Hypoderma, progress in extermination, summary of symposium
- Hypoderma  
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Hypoderma, cattle, determining best timing for prophylactic treatment with phosphororganic insecticides in relation to seasonal distribution of fly larvae
- [Hypoderma] hypodermosis  
Leinati, L.; Oberosler, R.; and Beber, L., 1972, Atti Soc. Ital. Sc. Vet., v. 26, 479-481  
[Hypoderma], bovine, control, disinfection of mountain pastures by calcium cyanamide and by grazing of poultry, increased weight gain by cattle
- [Hypoderma] warble flies, cattle grubs  
Magat, A., 1977, Vet. Parasitol., v. 3 (3), 225-228  
warble fly control on national basis with systemic organophosphorus insecticides: France
- Hypoderma  
Minar, J.; et al., 1974, Vet. Med., Praha, v. 47, v. 19 (5), 239-248  
hypodermatosis, cattle, trials of various formulations and concentrations of trichlorophen, Hypocid most successful: Czechoslovakia
- Hypoderma  
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warble fly eradication program in Germany
- Hypoderma  
Stendel, W., 1977, Vet. Parasitol., v. 3 (3), 245-249  
Hypoderma, cattle, comparison of suitability of fenthion pour-on and trichlorfon spot-on for controlling larval stages under German conditions
- Hypoderma  
Younger, R. L.; et al., 1975, J. Med. Entom., v. 12 (5), 517-524  
Hypoderma, cattle yearlings treated topically with 5 juvenile hormone analogues, development of enlarged warbles with accumulated exudate, isolation of alpha hemolytic streptococci, no definitive changes in serum chemistry or haematological values, no acute toxic effects
- Hypoderma spp.  
Kolacz, J., 1976, Med. Wet., v. 32 (8), 468-471  
Hypoderma spp., cattle breeding, effective control with efficacious systemic phosphororganic compound when given once at three months of age, mass treatment; individual treatment for infection in areas of low incidence

- Hypoderma* sp.  
Languillat, G.; et al., 1976, *Nouv. Presse Med.*, v. 5 (15), 984-986
- Hypoderma* sp. causing subcutaneous myiasis on face of child and neurologic manifestations of meningitis, clinical case report: Paris, France
- Hypoderma* sp. Latr.  
Meleney, W. P.; and Roberts, I. H., 1975, *J. Parasitol.*, v. 61 (5), 956-959  
3 insect juvenile hormone mimics used as sprays for control of *Haematopinus eury-sternus* on cattle resulted in significant reduction of lice and in concomitant severe skin lesions associated with death or incomplete development of *Hypoderma* sp., therefore unsafe for use on mature cattle harboring both grubs and lice
- Hypoderma* sp.  
Palmer, A. C.; et al., 1972, *Vet. Rec.*, v. 91 (24), 592-594 [Letter]  
*Hypoderma* sp. in cattle with an ataxia of obscure etiology: Britain, exported from France
- Hypoderma* sp.  
Rajamanickam, C.; et al., 1973, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 4 (2), 282 [Demonstration]  
*Hypoderma* sp. causing myiasis in recently imported herd of Santa Gertrudis cattle, treatment and prophylaxis against further spread using coumaphos spray and BHC cream: West Malaysia, imported from U.S.A.
- Hypoderma bovis*, illus.  
Ashizawa, H.; et al., 1976, *Bull. Fac. Agric. Univ. Miyazaki*, v. 23 (1), 87-95  
*Hypoderma bovis*, ox (skin), pathological findings: Minamiogunicho, Aso-gun, Kumamoto prefecture
- Hypoderma bovis* Degeer  
Beesley, W. N., 1971, *Ann. Trop. Med. and Parasitol.*, v. 65 (4), 567-572  
*Hypoderma lineatum*, H. *bovis*, guinea-pigs, rabbits, calves, anaphylactoid shock following implantation with first instar larvae or injection either with mid-gut fluid from first instar larvae or with hemolymph from third instar larvae
- Hypoderma bovis*, illus.  
Beesley, W. N., 1974, *Vet. Med. Rev.* (4), 334-347  
*Hypoderma bovis*, H. *lineatum*, cattle, infestation level, economics, eradication and control, review: British Isles
- Hypoderma bovis*  
Beesley, W. N., 1977, *Vet. Parasitol.*, v. 3 (3), 251-257  
*Hypoderma*, cattle, toxic effects of treatment including discussion of whether these are due to death of migrating larvae or insecticide poisoning or both, importance of developing national scheme to eradicate cattle grubs in Britain
- Hypoderma bovis* De Geer  
Blagoveshchenskii, D. I., 1970, *Parazitologiya*, Leningrad, v. 4 (3), 265-266  
*Hypoderma bovis* parasitized by *Trichopria* sp. (Hymenoptera): USSR
- Hypoderma bovis*  
Boulard, C.; and Petithory, J., 1977, *Vet. Parasitol.*, v. 3 (3), 259-263  
human hypodermosis, diagnosis with immunoelectrophoretic test
- Hypoderma bovis*  
Dipeolu, O. O., 1977, *Bull. Animal Health and Prod. Africa*, v. 25 (1), 33-39  
occurrence, distribution and breeding sites of blood sucking flies in Nigeria
- Hypoderma bovis*, illus.  
Feigelson, J.; et al., 1976, *Pediatric*, v. 31 (1), 77-79  
*Hypoderma bovis*, ocular myiasis in young child with resulting lens destruction and surgical removal, child also suffered from cystic fibrosis: France
- Hypoderma bovis*  
Gilly, R.; et al., 1976, *Pediatric*, v. 31 (1), 67-75  
*Hypoderma bovis* myiasis in young child with presenting symptoms of facial and arm paralysis, at surgical intervention right intracerebral hematoma contained H. *bovis* maggot, source of infection unknown, clinical case report: Lyon, France
- Hypoderma bovis* (Linn.)  
Glick, J. I., 1976, *Florida Entom.*, v. 59 (2), 190  
cattle: Orlando, Orange Co., and Cocoa, Brevard County, Florida
- Hypoderma bovis* (Linnaeus), illus.  
Hadlow, W. J.; Ward, J. K.; and Krinsky, W. L., 1977, *Cornell Vet.*, v. 67 (2), 272-281  
*Hypoderma bovis*, horse (brain), intracranial migration of larva, pathology: Ravalli County, western Montana (originally from American Falls, Idaho)
- Hypoderma bovis*  
Hennings, R., 1977, *Vet. Parasitol.*, v. 3 (3), 211-216  
*Hypoderma bovis*, cattle, successful eradication with systemic organophosphorus insecticides, feasibility of simultaneous treatment of *Fasciola hepatica* with niclofolan: Steinfurt, Germany
- Hypoderma bovis* (Linnaeus)  
Iwuala, M. O. E.; and Onyeka, J. O. A., 1977, *Environment. Entom.*, v. 6 (1), 43-49  
survey of domestic fly population, distribution patterns, diurnal and seasonal variations: Nsukka, East Central State, Nigeria
- Hypoderma bovis*  
Khan, M. A., 1977, *Vet. Parasitol.*, v. 3 (3), 205-209  
eradication of hypodermosis, editorial



- Hypoderma bovis*  
Khan, M. A., 1977, Vet. Parasitol., v. 3 (3), 217-223  
*Hypoderma* spp., cattle, feasibility of extermination on a regional basis with systemic insecticides: Wetaskiwin County, Alberta, Canada
- Hypoderma bovis* de Geer, 1776  
Kobulej, T., 1972, Parasitol. Hungar., v. 5, 273-285  
*Hypoderma* spp. in cattle, suggested control measure to be carried out in autumn on all cattle in endemic areas using dithion + dimethylsulphoxide as a pour-on dressing: Hungary
- Hypoderma bovis* (Linnaeus)  
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cattle (back): Orocovis, Puerto Rico
- Hypoderma bovis*  
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subcutaneous myiasis, incidence  
imported cow: Trinidad and Tobago
- Hypoderma bovis*  
Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 99-102  
Bos taurus: Chile
- Hypoderma bovis*  
Ogg, J. S., 1977, Vet. Parasitol., v. 3 (3), 229-237  
*Hypoderma* spp., eradication, national treatment program, nature and organization, results: Northern Ireland
- Hypoderma bovis*  
Petithory, J.; and Boulard, C., 1972, Nouv. Presse Med., v. 1 (27), 1841-1843  
human myiasis of *Hypoderma bovis* or *H. lineatum*, diagnosis in early stages using the Ouchterlony method and immunoelectrophoresis with antigen extract of the first larval stage of *H. lineatum*
- Hypoderma bovis* (L.)  
Shugart, J. I.; and Lloyd, J. E., 1977, J. Kansas Entom. Soc., v. 50 (4), 612 [Abstract]  
Haematobia irritans, *Hypoderma lineatum*, *Hypoderma bovis*, cattle, tiguon, forced use at watering station, good results: Wyoming
- Hypoderma bovis*  
Thornberry, H., 1976, Irish Vet. J., v. 30 (6), 83-88  
*Hypoderma bovis*, *H. lineatum*, cattle, eradication trials, Dyvon-in-oil, Tiguvon, Ruelene 25E, Ruelene 6R, pour-on applications, good results: Ireland
- Hypoderma lineatum* De Villers  
Beesley, W. N., 1971, Ann. Trop. Med. and Parasitol., v. 65 (4), 567-572  
*Hypoderma lineatum*, *H. bovis*, guinea-pigs, rabbits, calves, anaphylactoid shock following implantation with first instar larvae or injection either with mid-gut fluid from first instar larvae or with hemolymph from third instar larvae
- Hypoderma lineatum*  
Beesley, W. N., 1974, Vet. Med. Rev. (4), 334-347  
*Hypoderma bovis*, *H. lineatum*, cattle, infestation level, economics, eradication and control, review: British Isles
- Hypoderma lineatum*  
Beesley, W. N., 1977, Vet. Parasitol., v. 3 (3), 251-257  
*Hypoderma*, cattle, toxic effects of treatment including discussion of whether these are due to death of migrating larvae or insecticide poisoning or both, importance of developing national scheme to eradicate cattle grubs in Britain
- Hypoderma lineatum*  
Boulard, C.; and Petithory, J., 1977, Vet. Parasitol., v. 3 (3), 259-263  
human hypodermosis, diagnosis with immunoelectrophoretic test
- Hypoderma lineatum*  
Danjou, R.; et al., 1975, Acta Trop., v. 32 (4), 389-391  
10-year-old child with allergic and neurologic manifestations developing into eosinophilic meningitis, diagnosed by immunoelectrophoresis as *Hypoderma lineatum*, Mintezol treatment: from United States, extensive travel in France and Germany
- Hypoderma lineatum* (de Villers)  
Drummond, R. O.; et al., 1977, J. Econom. Entom., v. 70 (2), 176-178  
*Hypoderma lineatum*, cattle, efficacy of 5 animal systemic insecticides, log-probit analysis, good results; methoprene in drinking water did not prevent larvae from encapsulating in backs of cattle, but prevented adults from emerging from pupae: Texas
- Hypoderma lineatum*, illus.  
Gingrich, R. E., 1973, J. Med. Entom., v. 10 (5), 482-487  
*Hypoderma lineatum*, effects of host diet and immunosuppressant treatments (rabbit anti-mouse lymphocyte serum and whole-body irradiation) on survival and growth of larvae and on susceptibility of *Mus musculus* to infestation
- Hypoderma lineatum*  
Gingrich, R. E.; and Barrett, C. C., 1975, J. Med. Entom., v. 12 (1), 13-15  
*Hypoderma lineatum* larvae, vitamin A deficiency in calves reduced host resistance to percutaneous invasion but had no effect on larvae injected subcutaneously

- Hypoderma lineatum*  
Khan, M. A., 1977, Vet. Parasitol., v. 3 (3), 205-209  
eradication of hypodermosis, editorial
- Hypoderma lineatum*  
Khan, M. A., 1977, Vet. Parasitol., v. 3 (3), 217-223  
*Hypoderma* spp., cattle, feasibility of extermination on a regional basis with systemic insecticides: Wetaskiwin County, Alberta, Canada
- Hypoderma lineatum* de Villiers, 1789  
Kobulej, T., 1972, Parasitol. Hungar., v. 5, 273-285  
*Hypoderma* spp. in cattle, suggested control measure to be carried out in autumn on all cattle in endemic areas using dithrifon + dimethylsulphoxide as a pour-on dressing: Hungary
- Hypoderma lineatum*  
Ogg, J. S., 1977, Vet. Parasitol., v. 3 (3), 229-237  
*Hypoderma* spp., eradication, national treatment program, nature and organization, results: Northern Ireland
- Hypoderma lineatum*  
Petithory, J.; and Boulard, C., 1972, Nouv. Presse Med., v. 1 (27), 1841-1843  
human myiasis of *Hypoderma bovis* or *H. lineatum*, diagnosis in early stages using the Ouchterlony method and immunoelectrophoresis with antigen extract of the first larval stage of *H. lineatum*
- Hypoderma lineatum* DeVilliers  
Shugart, J. I.; and Lloyd, J. E., 1977, J. Kansas Entom. Soc., v. 50 (4), 612 [Abstract]  
*Haematobia irritans*, *Hypoderma lineatum*, *Hypoderma bovis*, cattle, tiguon, forced use at watering station, good results: Wyoming
- Hypoderma lineatum* de Villiers  
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seasonal distribution  
*Bos indicus* (back): Hissar and suburbs, India
- Hypoderma lineatum*  
Thornberry, H., 1976, Irish Vet. J., v. 30 (6), 83-88  
*Hypoderma bovis*, *H. lineatum*, cattle, eradication trials, Dyvon-in-oil, Tiguon, Ruelene 25E, Ruelene 6R, pour-on applications, good results: Ireland
- Hypoderma lineatum* sinense Pleske [new rank]  
Breev, K. A.; and Baratov, Sh. B., 1970, Parazitologia, Leningrad, v. 4 (3), 241-249  
*Hypoderma lineatum* sinense, incidence and intensity of infection, development in relation to temperature, climatic adaptation, differentiation from typical *H. lineatum*  
*Poephagus mutus*: eastern Pamir
- Hypodermiasis. See [Hypoderma]
- Hypodermosis. See Hypoderma.
- Hyponeocula Vercammen-Grandjean*, 1960, new status  
Tanigoshi, L. K.; and Loomis, R. B., 1974, Melanderia, v. 17, 1-27  
Trombiculidae  
description, key to larvae, classified list of vertebrate hosts, tod: *H. arenicola* (Loomis, 1954) n. comb.  
Syns.: *Neotrombiculoides* (*Hyponeocula*) Vercammen-Grandjean, 1960; *Bernia Allred* & Beck, 1966
- Hyponeocula Vercammen-Grandjean* 1960  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Hyponeocula* [sp.]  
Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
*Peromyscus boylii*: NE of Santa Lucia, Sinaloa, Mexico
- Hyponeocula arenicola* (Loomis) n. comb. (tod), illius.  
Tanigoshi, L. K.; and Loomis, R. B., 1974, Melanderia, v. 17, 1-27  
description, key  
Syns.: *Trombicula arenicola* Loomis, 1954; *Neotrombiculoides* (*Hyponeocula*) *arenicola* Vercammen-Grandjean, 1960; *Hyponeocula argenicola* (lapsus calami): Baker, 1969; *Bernia marita* Allred & Beck, 1966; *Trombicula montanensis* [of] Brown & Brennan, 1952; Gould 1956 (in part)  
*Sigmodon leucotis*: Durango, Mexico  
*Dipodomys merriami*: Sonora, Mexico; Sierra Co., New Mexico; Cochise Co., Arizona; Santa Cruz Co., Arizona; Pima Co., Arizona; Nye Co., Nevada  
*Perognathus intermedius*: Sonora, Mexico  
*Perognathus pencillatus*: Sonora, Mexico  
*Dipodomys agilis*: Baja California Norte, Mexico  
*Dipodomys ordii*: Seward Co., Kansas; Santa Fe Co., New Mexico; Prowers Co., Colorado; Pima Co., Arizona; Wayne Co., Utah; Tooele Co., Utah  
*Musivora forcicata*: Seward Co., Kansas  
*Perognathus hispidus*: Seward Co., Kansas; Hamilton Co., Kansas  
*Perognathus flayus*: Santa Fe Co., New Mexico  
*Cnemidophorus tigris*: Luna Co., New Mexico  
*Pituophis melanoleucus*: Sierra Co., New Mexico  
*Dipodomys spectabilis*: Santa Fe Co., New Mexico  
*Neotoma albigula*: Santa Fe Co., New Mexico; Prowers Co., Colorado  
*Lampropeltis getulus*: San Bernardino Co., California  
*Perognathus formosus*: Inyo Co., California; Nye Co., Nevada; Juab Co., Utah; Tooele Co., Utah  
*Peromyscus maniculatus*: Inyo Co., California  
*Dipodomys panamintinus*: Inyo Co., California; Kern Co., California  
*Dipodomys microps*: Inyo Co., California; Nye Co., Nevada; Tooele Co., Utah

*Hyponeocula arenicola* (Loomis) n. comb. (tod),  
illus.-- Continued.

Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27

*Perognathus longimembris*: Inyo Co., California;  
Nye Co., Nevada; Tooele Co., Utah  
*Dipodomys heermanni*: San Luis Obispo Co.,  
California  
*Coleonyx variegatus*: Nye Co., Nevada  
*Cynomys parvidens*: Garfield Co., Utah  
*Perognathus parvus*: Utah Co., Utah; Tooele  
Co., Utah  
*Lagurus curtatus*: Alberta, Canada  
*Perognathus fasciatus*: Alberta, Canada  
*Citellus richardsoni*: Alberta, Canada  
*Mus musculus*: Alberta, Canada  
*Reithrodontomys* sp.: Alberta, Canada  
*Onychomys torridus*: Nye Co., Nevada  
*Dipodomys nelsoni*: Coahuila, Mexico

*Hyponeocula deserticola* n. sp., illus.

Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27

key  
*Perognathus goldmani*: Sonora, Mexico  
*Masticophis flagellum*: San Diego Co., California  
*Cnemidophorus tigris*: Riverside Co., California  
*Perognathus formosus*: Riverside Co., California;  
San Bernardino Co., California;  
Inyo Co., California  
*Perognathus penicillatus*: Riverside Co.,  
California  
*Perognathus spinatus*: Riverside Co., California  
*Dipodomys deserti*: Inyo Co., California

*Hyponeocula fovea* n. sp., illus.

Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27

key  
*Chionactis occipitalis*: San Diego Co.,  
California  
*Phyllorhynchus decurtatus*: San Diego Co.,  
California; Riverside Co., California  
*Perognathus formosus*: Riverside Co., California;  
San Bernardino Co., California;  
Inyo Co., California; Nye Co., Nevada  
*Cnemidophorus tigris*: Riverside Co., California;  
San Bernardino Co., California;  
Inyo Co., California  
*Perognathus longimembris*: Riverside Co.,  
California; San Bernardino Co., California;  
Inyo Co., California; Nye Co., Nevada  
*Coleonyx variegatus*: Riverside Co., California;  
San Bernardino Co., California  
*Dipodomys merriami*: Riverside Co., California;  
San Bernardino Co., California; Nye  
Co., Nevada  
*Perognathus fallax*: Riverside Co., California  
*Peromyscus eremicus*: Riverside Co., California;  
San Bernardino Co., California  
*Uta stansburiana*: Riverside Co., California  
*Masticophis flagellum*: San Bernardino Co.,  
California  
*Dipodomys panamintinus*: Inyo Co., California  
*Dipodomys microps*: Inyo Co., California;  
Nye Co., Nevada  
*Salvadora hexalepis*: Inyo Co., California  
*Dipodomys ordii*: Nye Co., Nevada

*Hyponeocula imitator* n. sp., illus.

Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27

key  
*Dipodomys merriami*: Sonora, Mexico; Baja  
California Norte, Mexico; Pima Co., Arizona;  
Pinal Co., Arizona; Yavapai Co.,  
Arizona; Riverside Co., California; San  
Bernardino Co., California  
*Perognathus penicillatus*: Sonora, Mexico;  
San Diego Co., California  
*Citellus tereticaudus*: Sonora, Mexico;  
Riverside Co., California; San Bernardino  
Co., California  
*Phyllorhynchus decurtatus*: Sonora, Mexico  
*Dipsosaurus dorsalis*: Sonora, Mexico  
*Masticophis flagellum*: Sonora, Mexico  
*Chionactis occipitalis*: Baja California  
Norte, Mexico; Riverside Co., California  
*Lampropeltis getulus*: Baja California Sur,  
Mexico; San Diego Co., California  
*Perognathus formosus*: Imperial Co., California;  
Riverside Co., California  
*Coleonyx variegatus*: San Diego Co., California;  
Riverside Co., California  
*Thomomys bottae*: San Diego Co., California;  
Riverside Co., California  
*Citellus beecheyi*: Riverside Co., California  
*Perognathus longimembris*: Riverside Co.,  
California  
*Dipodomys panamintinus*: San Bernardino Co.,  
California  
*Arizona elegans*: San Bernardino Co., California

*Hyponeocula luciae* n. sp., illus.

Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27

key  
*Peromyscus boylii*: Sinaloa, Mexico

*Hyponeocula montanensis* (Brennan) n. comb.,  
illus.

Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27

description, key  
Syn.: *Trombicula montanensis* Brennan, 1946  
*Citellus mexicanus*: Bexar Co., Texas  
*Perognathus hispidus*: Woods Co., Oklahoma;  
Hamilton Co., Kansas  
*Crotalus viridis*: Barber Co., Kansas; Weld  
Co., Colorado  
*Neotoma micropus*: Barber Co., Kansas  
*Citellus tridecemlineatus*: Barber Co., Kansas  
*Dipodomys ordii*: Barber Co., Kansas  
*Cynomys ludovicianus*: Thomas Co., Kansas;  
Wheatland Co., Montana  
*Citellus beldingi*: Mono Co., California  
*Citellus lateralis*: Mono Co., California  
*Neotoma lepida*: Box Elder Co., Utah  
*Cynomys leucurus*: Duchesne Co., Utah  
*Sylvilagus nuttalli*: Wheatland Co., Montana

*Hyponeocula rugosa* n. sp., illus.

Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27

key  
*Perognathus artus*: Sinaloa, Mexico  
*Perognathus pernix*: Sinaloa, Mexico; Sonora,  
Mexico  
*Perognathus goldmani*: Sonora, Mexico  
*Perognathus penicillatus*: Sonora, Mexico



- Hyponeocula sauricola* n. sp., illus.  
Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27  
key  
*Sceloporus jarrovi*: Sonora, Mexico; Cochise  
Co., Arizona
- Hypsophthalmus campestris* Jordan & Rothschild,  
1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africae,  
v. 89 (1), 191-210  
Crocidura sp.: Cherangani Hills, Kenya
- Hystrichopsylla Taschenberg*, 1880  
Smit, F. G. A. M., 1974, Senckenbergiana  
Biol., v. 55 (4-6), 357-398  
Syn.: *Hystricercas* Ioff & Scaloni, 1950
- Hystrichopsylla dippei neotomae*  
Coultrip, R. L.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors  
and reservoir hosts of Rocky Mountain spotted  
fever and sylvatic plague, serological  
evidence for presence of rickettsial agent  
but presence of plague not demonstrated  
*Neotoma fuscipes*: Fort Ord, California
- Hystrichopsylla dippei truncata*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36  
(4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis*  
and 3 sympatric rodents compared, degree of  
flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Microtus longicaudus latus*  
all from western Utah
- Hystrichopsylla dippei truncata* Holland  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
*Eutamias minimus*  
*E. quadrivittatus*  
*Spermophilus lateralis*  
*Tamiasciurus hudsonicus*  
*Peromyscus maniculatus*  
*P. truei*  
*Neotoma mexicana*  
*Microtus montanus*  
*M. longicaudus*  
all from west of Rio Grande in and near  
Jemez Mts., New Mexico
- Hystrichopsylla linsdalei*  
Coultrip, R. L.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors  
and reservoir hosts of Rocky Mountain spotted  
fever and sylvatic plague, serological  
evidence for presence of rickettsial agent  
but presence of plague not demonstrated  
*Didelphis marsupialis*  
*Peromyscus californicus*  
*P. truei*  
*Neotoma fuscipes*  
*Microtus californicus*  
all from Fort Ord, California
- Hystrichopsylla linsdalei*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36  
(4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis*  
and 3 sympatric rodents compared, degree of  
flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Microtus longicaudus latus*  
all from western Utah
- Hystrichopsylla orientalis* Smit, 1952  
Haitlinger, R., 1975, Polskie Pismo Entom., v.  
45 (2), 373-396  
seasonal variance  
*Microtus agrestis*  
*Sorex araneus*  
all from Gory Sowie
- Hystrichopsylla synaptica* n. sp., illus.  
Smit, F. G. A. M., 1974, Senckenbergiana  
Biol., v. 55 (4-6), 357-398  
*Soriculus caudatus*: Syng Gyang near Gosain-  
kund, Nepal
- Hystrichopsylla talpae* (Curtis 1826)  
Artz, V., 1975, Entom. Germanica, v. 1 (2),  
105-143  
ectoparasites of small mammals, prevalence  
in relation to ecological factors (geology,  
soil type, vegetation patterns), family of  
host and sex of host; technique for live  
parasitism rates  
*Apodemus flavicollis*  
*A. sylvaticus*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
*M. agrestis*  
*Mustela erminea*  
*M. nivalis*  
all from Schleswig-Holstein
- Hystrichopsylla talpae*  
Avetisyan, G. A.; and Ezekeliani, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
+*Microtus socialis* (nest): Armenia
- Hystrichopsylla talpae* (Curtis) 1826  
Cyprich, D.; and Kiefer, M., 1975, Biologia,  
Bratislava, s. B, Zool. (3), v. 30 (8), 599-604  
+*Cricetus cricetus* (nest): Vychodoslovenskej  
nizine
- Hystrichopsylla talpae* (Curtis) 1826  
Cyprich, D.; Kiefer, M.; and Kminiak, M.,  
1976, Biologia, Bratislava, s. B, Zool. (3),  
v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Hystrichopsylla talpa* (Curtis 1825)  
Czerwinska, A., 1977, Ekol. Polska, v. 25 (3),  
551-559  
fleas of *Microtus arvalis*, effects of mowing  
and plowing on parasite and host populations:  
Lomna, near Warsaw

- Hystrichopsylla talpae* (Curt.)  
 Haitlinger, R., 1975, *Polskie Pismo Entom.*, v. 45 (2), 373-396  
   seasonal variance  
*Clethrionomys glareolus*  
*Apodemus tauricus*  
*A. agrarius*  
*Microtus arvalis*  
*Sorex araneus*  
*S. alpinus*  
*Neomys fodiens*  
 all from Gory Sowie
- Hystrichopsylla talpae orientalis* Smit  
 Hallas, T. E.; and Bang, P., 1976, *Flora og Fauna, Kobenhavn*, v. 82 (1), 11-18  
   seasonal distribution  
*Sorex araneus*  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Apodemus agrarius*  
*Apodemus flavicollis*  
*Apodemus sylvaticus*  
 all from eastern Denmark
- Hystrichopsylla talpae orientalis* Smit  
 Szabo, I., 1972, *Parasitol. Hungar.*, v. 5, 329-347  
*Apodemus flavicollis*  
*Sorex araneus*  
 all from Sopron and environments, west Hungary
- Hystrichopsylla* (*Hystrichopsylla*) *talpae riouxi* ssp. nova  
 Beaucournu, J. C.; and Rosin, G., 1977, *Ann. Parasitol.*, v. 52 (1), 101-103  
*Crocidura russula*: Maroc
- Hystrichopsylla t. talpae*  
 Roberts, C. J., 1975, *Entom. Gaz.*, v. 26 (2), 139-145  
   +*Apodemus sylvaticus* (nest): Isle of Man
- Hystrichopsylla talpae talpae* (Curt.)  
 Roman, E.; and Pichot, J., 1975, *Acta Trop.*, v. 32 (4), 349-352  
*Microtus arvalis*: Grenay (Isere), a 20 km a l'est de Lyon
- Histrichopsylla t. talpae*  
 Vaughan, J. A., 1977, *Entom. Month. Mag.* (1340-1343), v. 112, 1976, 45-48  
   straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain
- Hystrichopsyllidae*  
 Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
 diagnosis
- Hystrichopsyllidae* Tiraboschi  
 Sanford, L. G.; and Hays, K. L., 1974, *Bull.* (458) Alabama Agric. Exper. Station, 3-42  
 brief description
- Hystroceras* Ioff & Scalon, 1950  
 Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
 as syn. of *Hystrichopsylla* Taschenberg, 1880

- Ibidoecus*  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key to species on *Threskiornis*
- Ibidoecus australis*  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key
- Ibidoecus clausus*  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key
- Ibidoecus dennelli*  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key
- Ibidoecus diana*  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key
- Ibidoecus insularis* sp. n., illus.  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key to males  
*Threskiornis aethiopica bernieri* (skin):  
Madagascar, Ampotaka
- Ibidoecus tandani* sp. n., illus.  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key  
*Threskiornis aethiopica abbotti*: Aldabra,  
Indian Ocean, South Island
- Ibidoecus threskiornis*, illus.  
Clay, T., 1976, System. Entom., v. 1 (1), 1-7  
key
- Ichoronyssus* sp. Ubelaker, 1966  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Macronyssus jonesi* (White, 1966)
- Ichoronyssus brittanicus*, Furman, 1950  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Macronyssus crosbyi* (Ewing &  
Stover, 1915)
- Ichoronyssus carnifex* Ewing, 1923; Smith 1955  
(not Koch, 1839)  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus latiscutatus* (de  
Meillon & Lavoipierre, 1944)
- Ichoronyssus granulosus* Kolenati, 1856  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Ichthyophilus orbignyi* Guérin-Meneville, 1829-  
1832  
Trilles, J. P., 1975, Bull. Mus. National  
Hist. Nat., Paris, 3. s. (290), Zool. (200),  
347-377  
as syn. of *Nerocila orbignyi* (Guérin-  
Meneville, 1829-1832)
- Ichthyostomatogasteridae* Sellnick  
Athias-Henriot, C., 1977, J. Austral. Entom.  
Soc., v. 16 (3), 225-235  
as syn. of *Liroaspididae* Traegardh
- Icosta samoana* (Ferris 1927)  
Maa, T. C., 1968, J. Med. Entom., v. 5 (3),  
325-328  
*Turdus poliocephalus*: Samoa
- Idilla Smit*, 1957  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Idilla caelebs* Smit, 1957, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
*Antechinus flavipes*: New South Wales
- Idiochaetis illustris* Jordan, 1937, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-  
404  
discussion of convergent evolution and morpho-  
logical modifications in helmet-bearing fleas
- Idiurobia* subg. nov.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
cains, v. 87 (2), 330-332  
subgen. of *Radfordia*  
type species of subgen.: *Radfordia* (*Idiuro-*  
*bia*) *idiuri* sp. nov.
- Idotea physodes*: Fabricius, 1798  
Trilles, J. P., 1975, Bull. Mus. National  
Hist. Nat., Paris, 3. s. (290), Zool. (200),  
347-377  
as syn. of *Anilocra physodes* (L., 1758)
- Iguanacarus Vercammen-Grandjean* 1965  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Indocaligus echinus* Pillai, 1961  
Pillai, N. K., 1963, J. Marine Biol. Ass.  
India, v. 5 (1), 68-96  
as syn. of *Lepeophtheirus longipalpus*  
Bassett-Smith, 1898
- Insecta*  
Chamberlain, W. F., 1975, J. Med. Entom.,  
v. 12 (4), 395-400  
insect growth regulators for control of  
insects of medical and veterinary import-  
ance, review
- Intercutestrix* Brennan and Yunker 1966  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Ischnocera*  
Emerson, K. C.; and Price, R. D., 1976, Florida  
Entom., v. 59 (4), 425-428  
*Mallophaga*  
key



- Ischnocera* spp.  
Gothe, R.; and Imhoff, N., 1975, Berl. u. Munchen. Tierarztl. Wchnschr., v. 88 (22), 431-436  
arthropods, incidence in carrier pigeons, variation with host age: Germany
- Ischnopsyllidae*  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis
- Ischnopsyllidae* Wahlgren, 1904 (1907)  
Lewis, R. E., 1974, J. Med. Entom., v. 11 (5), 525-540  
Ancistropsyllidae, Chimaeropsyllidae, Ischnopsyllidae, Leptopsyllidae, and Macropsyllidae, geographic distribution and host preferences, list of genera and species
- Ischnopsyllinae*  
Mahnert, V., 1976, Rev. Suisse Zool., v. 83 (3), 769-776  
key to genera, includes: *Myodopsylla*; *Sternopsylla*; *Ptilopsylla*; *Hormopsylla*; *Rothschildopsylla*; *Alectopsylla* nov. gen.
- Ischnopsyllus bathyllus*. M. Rothschild, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Porrius bathyllus* (M. Rothschild, 1936)
- Ischnopsyllus earinus*. M. Rothschild, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Porrius caminae* (Rothschild, 1903)
- Ischnopsyllus elongatus* Curtis  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
*Nyctalus noctula*: Sopron and environments, west Hungary
- Ischnopsyllus hexactenus*  
Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
*Myotis nattereri*: Isle of Man
- Ischnopsyllus octactenus* Kolenati, 1857  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Ischnopsyllus octactenus*  
Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
*Pipistrellus pipistrellus*: Isle of Man
- Ischnopsyllus octactenus*  
Sharma, B. D.; and Sharma, T., 1975, Indian J. Entom., v. 35 (2), 161  
*Pipistrellus mimus*  
*P. pipistrellus*  
*Nyctalus noctula*  
all from Kashmir, India
- Ischnopsyllus octactenus* Kolenati  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
*Pipistrellus pipistrellus*: Sopron and environments, west Hungary
- Ischnopsyllus octactenus* (Kolenati, 1856), illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Ischnopsyllus s. simplex*  
Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
*Myotis nattereri*: Isle of Man
- Isothricola myocastor* Fain, 1970, to *Myocastorobia* g. n. [comb. not made] (tod)  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67
- Ixodes* sp.  
Berry, R. L.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 992-998  
arthropods collected and tested as carriers of California encephalitis, negative for virus isolations: Gambier, Ohio
- Ixodes* sp.  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
*Ixodidae* on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus crawshayi*: Kenya
- Ixodes* (*Pholeoixodes*) [sp.], illus.  
Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 115-137  
*Lepus oistolus*: Nepal
- Ixodes* (*Ixodes*) sp. A, illus.  
Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 115-137  
description of larva  
*Soriculus caudatus*  
*Soriculus* sp.  
*Alticola roylei*  
*Mus musculus urbanus*  
*Mus* sp.  
*Rattus eha*  
all from Nepal
- Ixodes* (*Ixodes*) sp. B, illus.  
Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 115-137  
description of nymph and larva  
*Alcippe castaneiceps*  
*Garrulax subunicolor*  
*G. erythrocephala*  
*Soriculus nigrescens*  
*Soriculus* sp.  
*Dremomys lokriah*  
*Alticola roylei*  
*Alticola* sp.  
*Mus musculus*  
*Mus* sp.

*Ixodes (Ixodes) sp. B*, illus.-- Continued.

Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, *J. Med. Entom.*, v. 12 (1), 115-137

*Rattus eha*  
*R. fulvescens*  
*R. n. nitidus*  
*R. rattoides*  
*Rattus sp.*  
 all from Nepal

*Ixodes (Ixodes) sp. C*, illus.

Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, *J. Med. Entom.*, v. 12 (1), 115-137

description of nymph  
*Rattus eha* subsp.: Nepal

*Ixodes (Ixodes) [sp.] near himalayensis* Dhanda & Kulkarni, 1969, illus.

Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, *J. Med. Entom.*, v. 12 (1), 115-137

description of nymph and larva  
*Soriculus caudatus*  
*Mus musculus*  
 all from Nepal

*Ixodes (Ixodes) [sp.] near redikorzevi* Olenov, 1927, illus.

Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, *J. Med. Entom.*, v. 12 (1), 115-137

description of nymph and larva  
*Suncus murinus*  
*Rattus sp.*  
*Bandicota sp.*  
 rat  
 rodent  
*Herpestes auropunctatus*  
 all from Nepal

*Ixodes (Scaphixodes) sp.*, resembles *Ixodes (S.) berlesei*, illus.

Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, *J. Med. Entom.*, v. 12 (1), 115-137

*Pyrrhocorax*: Nepal

*Ixodes* spp.

Coultrip, R. L.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 303-309

fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Didelphis marsupialis*  
*Sylvilagus bachmani*  
*Spermophilus beecheyi*  
*Perognathus californicus*  
*Dipodomys heermanni*  
*Reithrodontomys megalotis*  
*Peromyscus californicus*  
*P. maniculatus*  
*P. truei*  
*Neotoma fuscipes*  
*Microtus californicus*  
*Mephitis mephitis*  
*Felis domesticus*  
 all from Fort Ord, California

*Ixodes* spp.

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

*Dasyprocta sp.*  
*Monodelphis brevicaudata*  
*Oryzomys albigularis*  
*Sigmodon hispidus*  
*Marmosa murina*  
*Nasua nasua*  
*Sturnira lilium*  
*Artibeus jamaicensis*  
*Marmosa robinsoni*  
*Proechimys semispinosus*  
*Cryptotis thomasi*  
*Marmosa dryas*  
*Oryzomys minutus*  
*Oryzomys sp.*  
*Rhipidomys venustus*  
*Thomasomys laniger*  
*Thomasomys lugens*  
*Desmodus rotundus*  
 bird  
*Oryzomys capito*  
*Thomasomys aureus*  
*Thomasomys hylophilus*  
*Didelphis marsupialis*  
*Philander opossum*  
*Proechimys guyannensis*  
*Sciurus igniventris*  
 all from Venezuela

*Ixodes [sp.]*, probably *lasallei*

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

*Oryzomys albigularis*  
*Dasyprocta aguti*  
*Myoprocta pratti*  
 all from Venezuela

*Ixodes [sp.]*, probably *luciae*

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

*Oryzomys albigularis*  
*Oryzomys capito*  
*Monodelphis brevicaudata*  
*Didelphis marsupialis*  
*Cryptotis thomasi*  
*Oryzomys fulvescens*  
*Marmosa robinsoni*  
*Marmosa murina*  
*Caluromys philander*  
*Oryzomys concolor*  
*Proechimys semispinosus*  
 all from Venezuela

*Ixodes [sp.]*, probably *venezuelensis*

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.

*Oryzomys albigularis*  
*Marmosa dryas*  
 all from Venezuela

*Ixodes sp.* 7 Asanuma et Sekikawa, 1952

Takada, N.; and Yamaguchi, T., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 35-40

*Microtus montebelli montebelli*  
*Apodemus speciosus speciosus*  
*Urotrichus talpoides hondonis*  
 all from Honshu, Japan

*Ixodes sp.* N1, illus.

Takada, N.; and Yamaguchi, T., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 35-40

*Urotrichus talpoides hondonis*: Honshu, Japan

- Ixodes* sp.  
Tovornik, D., 1970, *Acta Parasitol. Iugoslavica*, v. 1 (1-2), 103-106  
tick fauna in foci of Central European Encephalitis; list of tick species found on birds: Yugoslavia
- Ixodes acuminatus*  
Gilot, B.; et al., 1976, *Ann. Parasitol.*, v. 51 (2), 241-254  
*Arvicola sapidus*  
*Apodemus sylvaticus*  
*Mustela nivalis*  
*Sorex araneus*  
*Talpa caeca*  
all from Nord-Ouest de l'Espagne
- Ixodes (Ixodes) acutitarsus* (Karsch, 1880), *illus.*  
Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, *J. Med. Entom.*, v. 12 (1), 115-137  
description of nymph and larva human  
*Cynopterus* sp.  
*Sorex* sp.  
*Petaurista petaurista*  
*P. magnifica*  
*Belomys pearsoni*  
yellow-bellied squirrel  
squirrel  
*Pitymys sikkimensis*  
*Alticola roylei*  
*Apodemus flavicollis*  
*Apodemus* sp.  
*Mus homomys*  
*Mus musculus*  
*Mus* sp.  
mouse  
*Rattus rattus*  
*Rattus rattoides*  
*Rattus eha*  
*Rattus* sp.  
rat  
*Selenarctos thibetanus*  
*Felis bengalensis*  
*Felis* sp.  
*Muntiacus muntjak*  
*Naemorhedus goral*  
*Capricornis sumatraensis*  
wild goat or Jharal  
domestic dog  
domestic buffalo  
*Bos grunniens*  
domestic cattle  
domestic zhum  
domestic sheep  
all from Nepal
- Ixodes acutitarsus* Karsch, 1880  
Takada, N.; and Yamaguchi, T., 1974, *Eisei Dobutsu* (Japan. *J. San. Zool.*), v. 25 (1), 35-40  
*Selenarctos thibetanus japonicus*: Honshu, Japan
- Ixodes affinis*  
Varma, M. G. R., 1973, *Tr. Roy. Soc. Trop. Med. and Hyg.*, v. 67 (1), 92-102  
British Honduras
- Ixodes amersoni*  
Amerson, A. B., jr., 1968, *J. Med. Entom.*, v. 5 (3), 332-339  
tick distribution, influence of sea bird movement: Central Pacific  
*Gygis alba*: Phoenix Island  
*Sula sula*: Enderbury Island
- Ixodes anatis* Chilton  
Heath, A. C. G., 1977, *Tuatara*, v. 23 (1), 26-39  
zoogeography of the New Zealand tick fauna, possible origins, collection and preservation
- Ixodes angustus* Neum.  
Savitskii, B. P.; and Savitskaia, G. M., 1976, *Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool.* (2), 19-23  
inhabitation of forests and pastures by ticks transferred by domestic and wild animals: Lower and Middle Amur flood plain
- Ixodes angustus* Neumann, 1899  
Takada, N.; and Yamaguchi, T., 1974, *Eisei Dobutsu* (Japan. *J. San. Zool.*), v. 25 (1), 35-40  
*Aschizomys andersoni*: Honshu, Japan
- Ixodes angustus*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
*Sorex cinereus*  
*S. fumeus*  
*S. palustris*  
*Blarina brevicauda*  
*Peromyscus maniculatus*  
*Clethrionomys gapperi*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Ixodes antechini* Roberts  
Beveridge, I.; and Barker, I. K., 1976, *Austral. J. Zool.*, v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Ixodes apronophorus* (Schulze, 1924)  
Gilot, B.; Moncada, E.; and Pautou, G., 1976, *Ann. Parasitol.*, v. 51 (5), 601-603  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Apodemus sylvaticus*  
*Sorex araneus*  
all from le marais des Avenieres (Isere), France
- Ixodes apronophorus* P. Sch.  
Uspenskaia, I. G., 1971, *Parazity Zhivot. i Rasten.*, *Akad. Nauk Moldavsk. SSR* (7), 115-121  
ixodid ticks, influence of cultivated land on distribution: Moldavia
- Ixodes arboricola*  
Tovornik, D., 1970, *Acta Parasitol. Iugoslavica*, v. 1 (1-2), 103-106  
tick fauna in foci of Central European Encephalitis; list of tick species found on birds: Yugoslavia
- Ixodes asanumai*  
Kitaoka, S.; and Suzuki, H., 1974, *Eisei Dobutsu* (Japan. *J. San. Zool.*), v. 25 (1), 21-26  
seasonal prevalence  
*Canis familiaris*: southern Amami-oshima Islands



- Ixodes auricularius* Conil, 1878  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma auricularium* (Conil, 1878) Lahille, 1905
- Ixodes auritulus-percavatus* groups  
Heath, A. C. G., 1977, Tuatara, v. 23 (1), 26-39  
zoogeography of the New Zealand tick fauna, possible origins, collection and preservation
- Ixodes auritulus* group  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Scytalopus* sp.  
*Oryzomys minutus*  
*Thomasomys lugens*  
bird  
*Oryzomys albigularis*  
all from Venezuela
- Ixodes baergii*  
Howell, F. G.; and Chapman, B. R., 1976, Southwest. Nat., v. 21 (3), 275-280  
+ *Petrochelidon pyrrhonota* (cliff debris from nesting sites): northwestern Texas
- Ixodes* (*Afrixodes*) *bakeri* Arthur & Clifford, 1961, illus.  
Clifford, C. M.; Walker, J. B.; and Keirans, J. E., 1976, Onderstepoort J. Vet. Research, v. 43 (3), 105-111  
*Ixodes bakeri*, male, nymph and larva described, ecology, seasonal activity  
*Crocidura mariquensis*  
*Myosorex varius*  
*Otomys angoniensis*  
*O. irroratus*  
*O. sp.*  
*Rhabdomys pumilio*  
*Rattus norvegicus*  
all from Republic of South Africa
- Ixodes* (*Scaphixodes*) *berlesei* Birula, 1895, illus.  
Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 115-137  
'sparrow': Nepal
- Ixodes* (*Ixodes*) *boliviensis* Newmann, illus.  
Homsher, P. J.; and Sonenshine, D. J., 1975, Tr. Am. Micr. Soc., v. 94 (3), 368-374  
fine structure of Haller's organ in 10 species of *Ixodes*, light and scanning electron microscopy, significance to systematic analysis  
*Canis familiaris*: Boqueto, Panama
- Ixodes cajennensis* Fabricius, 1794  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Amblyomma cajennense* (Fabricius, 1787)
- Ixodes cavipalpus*  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
*Ixodidae* on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus crawshayi*: Kenya
- Ixodes* (*Afrixodes*) *cavipalpus*, illus.  
Clifford, C. M.; Theiler, G.; and Baker, M., 1975, Onderstepoort J. Vet. Research, v. 42 (1), 33-39  
cattle  
cows  
all from Salisbury area, Rhodesia
- Ixodes cavipalpus* Nutt. & Warb.  
MacLeod, J.; et al., 1977, Bull. Entom. Research, v. 67 (1), 161-173  
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia
- Ixodes confusus*  
Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572  
evidence of parasitism of female ticks by males of the genus *Ixodes*, possible implications for transmission of disease agents
- Ixodes cookei* Packard  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Mustela vison*: Bristol, Kenosha Co., Wisconsin
- Ixodes cookei* Packard  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Didelphis virginiana*  
*Citellus franklinii*  
*Procyon lotor hirtus*  
*Mustela frenata noveboracensis*  
*M. vison letifera*  
all from Kenosha County, Wisconsin
- Ixodes* (*Pholeoixodes*) *cookei* Packard, illus.  
Homsher, P. J.; and Sonenshine, D. J., 1975, Tr. Am. Micr. Soc., v. 94 (3), 368-374  
fine structure of Haller's organ in 10 species of *Ixodes*, light and scanning electron microscopy, significance to systematic analysis  
*Mephitis mephitis*: near Montpelier, Virginia
- Ixodes cookei* Packard 1869  
Towell, D. E.; and Price, M. A., 1976, Southwest. Entom., v. 1 (1), 20  
*Bassariscus astutus flavus*: Kerr County, Texas
- Ixodes cordifer*  
Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572  
evidence of parasitism of female ticks by males of the genus *Ixodes*, possible implications for transmission of disease agents
- Ixodes cornuatus*  
Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572  
evidence of parasitism of female ticks by males of the genus *Ixodes*, possible implications for transmission of disease agents

- Ixodes cornuatus* Roberts  
Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Entom. Mag., v. 3 (4), 63-66  
*Oryctolagus cuniculus*: Victoria
- Ixodes crenulatus* Koch sensu Pomerancev, 1950 et Filippova, 1957  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109  
as syn. of *Pholeoixodes filippovae* (Cerny, 1962)
- Ixodes danyi* Babos, 1964  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109  
as syn. of *Pholeoixodes filippovae* (Cerny, 1962)
- Ixodes dentatus*  
Harman, D. M.; and Chapman, J. A., 1977, Proc. Pennsylvania Acad. Sc., v. 51 (1), 40-42  
*Cediopsylla simplex*, *Odontopsyllus multispinosus*, *Ixodes dentatus*, and *Haemaphysalis leporispalustris* on *Sylvilagus transitionalis*, seasonal distribution, sex and age of host: Tucker County, West Virginia
- Ixodes (Ixodes) dentatus* Marx, *illus.*  
Homsher, P. J.; and Sonenshine, D. J., 1975, Tr. Am. Micr. Soc., v. 94 (3), 368-374  
fine structure of Haller's organ in 10 species of *Ixodes*, light and scanning electron microscopy, significance to systematic analysis  
*Sylvilagus floridanus*: Massachusetts
- Ixodes dentatus*  
Jacobson, H. A.; and Kirkpatrick, R. L., 1974, J. Wildlife Dis., v. 10 (4), 384-391  
comparison of selected physiological measurements in untreated parasitized cottontail rabbits and those treated with 1-tetramisole hydrochloride and 2,2-dichlorovinyl, dimethyl phosphate: Montgomery County, Virginia
- Ixodes dentatus*  
Sonenshine, D. E.; and Clifford, C. M., 1973, J. Med. Entom., v. 10 (5), 497-502  
*Ixodes dentatus*, *Haemaphysalis leporispalustris*, incidence of Rocky Mountain spotted fever in ticks infesting birds; tick-host relationships between Piedmont and eastern coastal area compared  
sparrow, white-throated  
sparrow, song  
sparrow, swamp  
junco, slate-colored  
thrush, Swainson's  
veery  
thrush, gray-cheeked  
robin  
thrush, hermit  
thrush, wood  
thrasher, brown  
catbird  
towhee, rufous-sided  
cardinal  
blue jay  
grackle, common  
wren, Carolina  
warbler, myrtle
- Ixodes dentatus*-- Continued.  
Sonenshine, D. E.; and Clifford, C. M., 1973, J. Med. Entom., v. 10 (5), 497-502  
ovenbird  
waterthrush, northern  
chat, yellow-breasted  
warbler, black-throated blue  
redstart, American  
titmouse, tufted  
all from coastal eastern United States
- Ixodes (Afrioxodes) drakensbergensis* n. sp., *illus.*  
Clifford, C. M.; Theiler, G.; and Baker, M., 1975, Onderstepoort J. Vet. Research, v. 42 (1), 33-39  
eland: Giant's Castle Game Reserve, Natal, Republic of South Africa  
bovine: Tank Area 118, Natal, Republic of South Africa  
goat (ear, feet, legs, muzzle): Tank Area 118, Natal, Republic of South Africa
- Ixodes eichhorni* Nuttall, 1915  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Gallus gallus*  
*Turdus poliocephalus*  
all from New Hebrides
- Ixodes eldaricus*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Ixodes eldaricus* Djap. 1950  
Gadzhev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Ixodes eudyptidis* Maskell  
Heath, A. C. G., 1977, Tuatara, v. 23 (1), 26-39  
zoogeography of the New Zealand tick fauna, possible origins, collection and preservation
- Ixodes eudyptidis*  
St. George, T. D.; et al., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (5), 493-499  
isolation of new flavivirus  
*Larus novaehollandiae*: near Burnie, Tasmania; near Launceston, Tasmania
- Ixodes gibbosus* Nuttall 1916  
Mikacic, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 49-54  
seasonal occurrence: Rab and Pag
- Ixodes gibbosus* Nuttall, 1916, *illus.*  
Saratsiotis, A.; and Battelli, C., 1972, Parassitologia, v. 14 (1), 183-192  
*Ixodes gibbosus*, first report from Italy, cause of human tick paralysis in Greece, distinctions from *I. ricinus* and *I. hexagonus* synonymy  
chevre: Italie (Monteroduni (Isernia)); San Marco in Lamis (Foggia); Vico del Gargano (Foggia)

- Ixodes gibbosus*  
 Tovornik, D., 1970, Acta Parasitol. Iugoslavica, v. 1 (1-2), 103-106  
 tick fauna in foci of Central European Encephalitis; list of tick species found on birds: Yugoslavia
- Ixodes (Ixodes) granulatus* (Supino, 1897)  
 Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 115-137  
 domestic cat  
*Rattus rattus brunneus*  
*Bandicota indica*  
*Suncus murinus*  
 all from Nepal
- Ixodes (Ixodes) granulatus* Supino, illus.  
 Homsher, P. J.; and Sonenshine, D. J., 1975, Tr. Am. Micr. Soc., v. 94 (3), 368-374  
 fine structure of Haller's organ in 10 species of *Ixodes*, light and scanning electron microscopy, significance to systematic analysis  
*Rattus mulleri*: Malaysia
- Ixodes granulatus*  
 Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
 seasonal prevalence  
*Rattus rattus*: southern Amami-oshima Islands
- Ixodes granulatus* Supino  
 Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Mus* spp.  
*Rattus norvegicus*  
*R. rattus rufescens*  
*Suncus murinus riukiuanus*  
*Crocidura* spp.  
*Herpestes senitorquatus*  
 all from Okinawa
- Ixodes granulatus* Supino  
 Van Peenen, P. F. D.; et al., 1977, J. Protozool., v. 24 (2), 310-312  
 transtadial infection with piroplasms, probably *Babesia microti*  
*Bandicota indica nemorivaga*  
*Rattus coxinga*  
 all from Taiwan
- Ixodes hexagonus*  
 Blaskovic, D.; and Nosek, J., 1972, Progr. Med. Virol., v. 14, 275-320  
 tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area
- Ixodes hexagonus*  
 Gilot, B., 1975, Bull. Soc. Path. Exot., v. 68 (6), 529-538  
 survey of area ticks as possible vectors of *Rickettsia* spp., *Dermacentor marginatus*, *D. reticulatus* and *Ixodes hexagonus* positive for *R. conori*; *Rhipicephalus sanguineus* and *Haemaphysalis punctata* gave negative results: areas of southern France
- Ixodes hexagonus*  
 Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 21-27  
 Igel
- Ixodes hexagonus* Leach  
 Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742  
 fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal
- Ixodes hexagonus* Leach, 1815  
 Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-257  
*Vulpes vulpes*: Norge
- Ixodes hexagonus*  
 Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 265-274  
*Meles meles*: Norge
- Ixodes hexagonus* (Leach, 1815)  
 Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 245-252  
*Rhinolophus ferrum equinum*  
*Myotis myotis*  
 all from Spain
- Ixodes hexagonus*, illus.  
 Saratsiotis, A.; and Battelli, C., 1972, Parasitologia, v. 14 (1), 183-192  
*Ixodes gibbosus*, first report from Italy, cause of human tick paralysis in Greece, distinctions from *I. ricinus* and *I. hexagonus* synonymy  
 chevre: Italie (Monteroduni (Isernia); San Marco in Lamis (Foggia); Vico del Gargano (Foggia))
- Ixodes hirsti*  
 Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572  
 evidence of parasitism of female ticks by males of the genus *Ixodes*, possible implications for transmission of disease agents
- Ixodes holocyclus*, illus.  
 Allen, J. R.; Doube, B. M.; and Kemp, D. H., 1977, Canad. J. Comp. Med., v. 41 (1), 26-35  
*Ixodes holocyclus*, cattle, histology of skin lesions, attachment of female ticks, primary, secondary and subsequent infestations
- Ixodes holocyclus*  
 Campbell, R. W.; and Domrow, R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 397-402  
 positively identified as vector of Queensland tick typhus in Australia  
*Rattus fuscipes*  
*Perameles nasuta*  
 all from Australia
- Ixodes holocyclus*  
 Cooper, B. J.; and Spence, I., 1976, Nature, London (5579), v. 263, 693-695  
*Ixodes holocyclus*, mice, paralysis produced is due to temperature-dependent inhibition of evoked release of acetylcholine at neuromuscular junction



- Ixodes holocyclus*  
 Doube, B. M.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (4), 443-447  
*Haemaphysalis*, *Ixodes*, parasitization by wasp, *Hunterellus* sp., seasonal distribution of wasp and ticks  
*Isodon macrourus* (nat. and exper.): Queensland  
*Trichosurus vulpecula*: Queensland  
*Hydromys chrysogaster*: Queensland  
*Potorous tridactylus* (nat. and exper.): Queensland  
*Rattus rattus* (exper.)
- Ixodes holocyclus*  
 Doube, B. M.; Kemp, D. H.; and Bird, P. E., 1977, Austral. Vet. J., v. 54 (1), 39-43  
*Ixodes holocyclus*, calves, paralysis, pathogenicity, field collected and laboratory reared ticks, little difference between ticks from different geographic localities; site of attachment had no influence on tick toxicity
- Ixodes holocyclus*  
 Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572  
 evidence of parasitism of female ticks by males of the genus *Ixodes*, possible implications for transmission of disease agents
- Ixodes holocyclus*  
 Sutherst, R. W.; and Moorhouse, D. E., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 82-83  
*Ixodes holocyclus*, larval ticks as cause of acute "scrub-itch" dermatitis with considerable portion of human population sensitized to the tick bite: southeast Queensland, Australia
- Ixodes holocyclus*  
 Treverrow, N. L.; Stone, B. F.; and Cowie, M., 1977, Experientia, v. 33 (5), 680-682  
*Ixodes holocyclus*, *Aponomma concolor*, aggregation pheromones demonstrated
- Ixodes (Ixodes) hyatti* Clifford, Hoogstraal & Kohls, 1971  
 Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 115-137  
*Alticola* sp.  
*Ochotona* sp.  
 all from Nepal
- Ixodes jacksoni* Hoogstraal  
 Heath, A. C. G., 1977, Tuatara, v. 23 (1), 26-39  
 zoogeography of the New Zealand tick fauna, possible origins, collection and preservation
- Ixodes (Exopalgiger) jonesae* Kohls, Sonenshine, & Clifford, 1969  
 Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Thomasomys laniger*  
*Oryzomys minutus*  
*Caenolestes obscurus*  
 all from Venezuela
- Ixodes kingi* Bishop 1911  
 Towell, D. E.; and Price, M. A., 1976, Southwest. Entom., v. 1 (1), 20  
*Bassariscus astutus flavus*: Kerr County, Texas
- Ixodes (Ixodes) kuntzi* Hoogstraal & Kohls, 1965, illus.  
 Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 115-137  
 description of male  
*Leothrix lutea*  
*Heterophasia capistrata*  
*Muscicapa strophiatea*  
*Zoothera mollissima*  
*Petaurista petaurista*  
*P. magnifica*  
 squirrel  
 rat  
 all from Nepal
- Ixodes laguri* Ol.  
 Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
 +*Lagurus lagurus* (nest): Karagandinsk oblast
- Ixodes laguri* Ol.  
 Uspenskaia, I. G., 1971, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (7), 115-121  
 ixodid ticks, influence of cultivated land on distribution: Moldavia
- Ixodes (Ixodes) lasallei* Mendez Arocha & Ortiz, 1958  
 Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Agouti paca*  
*Dasyprocta fuliginosa*  
*Philander opossum*  
*Felis pardalis*  
 all from Venezuela
- Ixodes laysanensis*  
 Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), 332-339  
 tick distribution, influence of sea bird movement: Central Pacific  
*Sterna fuscata*: Lisianski Island  
 humans (crawling on skin): French Frigate Shoals
- Ixodes lewisi*  
 Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
*Ixodidae* on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus crawshayi*: Kenya
- Ixodes lividus*  
 Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
 +*Riparia riparia* (nest): Isle of Man
- Ixodes lividus* Koch  
 Ulmanen, I.; et al., 1977, Oikos, v. 28 (1), 20-26  
*Ixodes lividus* on *Riparia riparia*, age of host, seasonal and geographic distribution, localization: southern and eastern Finland

- Ixodes (Ixodes) loricatus* Newmann, illus.  
Homsher, P. J.; and Sonenshine, D. J., 1975,  
Tr. Am. Micr. Soc., v. 94 (3), 368-374  
fine structure of Haller's organ in 10  
species of *Ixodes*, light and scanning elec-  
tron microscopy, significance to systematic  
analysis  
*Didelphus* sp.: Luiz defora-Estados
- Ixodes loricatus* Neumann, 1899  
Jones, E. K.; et al., 1972, Brigham Young  
Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Monodelphis breviceaudata*  
*Marmosa robinsoni*  
all from Venezuela
- Ixodes loricatus vogelsangi* Dias, 1954  
Jones, E. K.; et al., 1972, Brigham Young  
Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Ixodes luciae* Senevet, 1940
- Ixodes (Ixodes) luciae* Senevet, illus.  
Homsher, P. J.; and Sonenshine, D. J., 1975,  
Tr. Am. Micr. Soc., v. 94 (3), 368-374  
fine structure of Haller's organ in 10  
species of *Ixodes*, light and scanning elec-  
tron microscopy, significance to systematic  
analysis  
host unknown: Middlesex, British Honduras  
*Didelphus marsupialis*: Peru
- Ixodes luciae* Senevet, 1940  
Jones, E. K.; et al., 1972, Brigham Young  
Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Syn.: *Ixodes loricatus vogelsangi* Dias,  
1954  
*Monodelphis breviceaudata*: Venezuela  
*Didelphis marsupialis*: Venezuela  
*Marmosa robinsoni*: Venezuela  
*Sigmodon hispidus*: Venezuela  
*Zygodontomys breviceauda*: Venezuela  
*Oryzomys concolor*: Venezuela  
*Marmosa cinerea*: Venezuela  
opossum: Venezuela  
*Philander opossum*: Venezuela  
[no host]: Nicaragua; Surinam
- Ixodes (Pholeoixodes) marxi* Banks, illus.  
Homsher, P. J.; and Sonenshine, D. J., 1975,  
Tr. Am. Micr. Soc., v. 94 (3), 368-374  
fine structure of Haller's organ in 10  
species of *Ixodes*, light and scanning elec-  
tron microscopy, significance to systematic  
analysis  
+*Glaucmys volans* (nest): Ashland, Virginia
- Ixodes marxi*  
Whitaker, J. O., jr.; Spicka, E. J.; and  
Schmeltz, L. L., 1976, Proc. Indiana Acad.  
Sc., v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana
- Ixodes (Ixodes) montoyanus* Cooley, illus.  
Keirans, J. E., 1973, J. Med. Entom., v. 10  
(3), 249-254  
description of male, nymph, and larva  
*Pudu mephistophelis wetmori*: Departamento  
del Cauca, Pusna, Colombia  
*Pudu* sp. (probably *P. mephistophelis*): De-  
partamento del Cauca, Malvasa, Colombia  
*Mazama* sp.: Estado Merida, Venezuela
- Ixodes muniensis* Arthur & Burrow, 1957  
d'Huart, J. P., 1973, Rev. Zool. et Botan.  
Africains, v. 87 (2), 421-424  
Potamochoerus: Africa
- Ixodes muris* Bishopp and Smith  
Amin, O. M., 1976, Great Lakes Entom.,  
v. 9 (4), 195-198  
*Sorex cinereus*: Kenosha County, Wisconsin
- Ixodes (Ixodes) muris* Bishopp & Smith, illus.  
Homsher, P. J.; and Sonenshine, D. J., 1975,  
Tr. Am. Micr. Soc., v. 94 (3), 368-374  
fine structure of Haller's organ in 10  
species of *Ixodes*, light and scanning elec-  
tron microscopy, significance to systematic  
analysis
- Ixodes muris* Bishopp and Smith 1937  
Winchell, E. J., 1977, J. Parasitol., v. 63  
(4), 756-757  
*Microtus breweri* (ear): Muskeget Island, 5  
miles west of Nantucket, Massachusetts
- Ixodes nairobiensis*  
Ashford, R. W.; et al., 1973, Tr. Roy. Soc.  
Trop. Med. and Hyg., v. 67 (4), 568-601  
*Procavia habessinica*: Kutaber area, Ethiopia
- Ixodes nairobiensis* Nuttall, 1916  
d'Huart, J. P., 1973, Rev. Zool. et Botan.  
Africains, v. 87 (2), 421-424  
Phacochoerus: Africa
- Ixodes naponensis* Packard, 1869  
Jones, E. K.; et al., 1972, Brigham Young  
Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
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1869)
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Takada, N.; and Yamaguchi, T., 1974, Eisei  
Dobutsu (Japan. J. San. Zool.), v. 25 (1), 35-  
40  
*Nyctereutes procyonoides viverrinus*  
*Lepus brachyurus angustidens*  
*Sciurus lis*  
*Microtus montebelli montebelli*  
*Apodemus speciosus speciosus*  
*Apodemus argenteus argenteus*  
all from Honshu, Japan
- Ixodes occultus* B. Pom.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk  
Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different land-  
scapes  
*Rhombomys opimus*: Turkmenistan
- Ixodes (Partipalpiger) ovatus* Neumann, 1899  
Clifford, C. M.; Hoogstraal, H.; and Keirans,  
J. E., 1975, J. Med. Entom., v. 12 (1), 115-  
137  
human  
Chiroptera  
*Mustela siberica*  
*Antelope cervicapra*  
*Capricornis sumatraensis thar*  
*Sorex cylindricaudata*  
*Soriculus nigrescens*  
*Soriculus* sp.  
shrew  
*Pitymys sikkimensis*  
'field mouse'

*Ixodes (Partipalpiger) ovatus* Neumann, 1899.-- Continued.

Clifford, C. M.; Hoogstraal, H.; and Keirans, J. E., 1975, *J. Med. Entom.*, v. 12 (1), 115-137

*Rattus eha*  
*R. fulvescens*  
rat  
'rat'  
domestic dog  
domestic buffalo  
*Bos grunniens*  
domestic goat  
domestic sheep  
all from Nepal

*Ixodes ovatus*

Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, *National Inst. Animal Health Quart.*, v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions

*Ixodes (Partipalpiger) ovatus* Neumann, 1899 (tod of subgenus), illus.

Hoogstraal, H.; et al., 1973, *J. Med. Entom.*, v. 10 (2), 157-164

*Bos indicus*: Burma  
domestic zhum: China (Tibet); Nepal  
flagging vegetation: Japan; Nepal  
*Lepus brachyurus brachyurus*: Japan  
*L. timidus lyoni*: Japan  
hare: Japan  
cattle: Japan; Bombdilla, NEFA, India; Nepal  
jammu: Dirang, NEFA, India  
*Lophura leucomelana leucomelana*: Nepal  
*Homo sapiens*: Nepal  
*Soriculus caudatus* subsp.: Nepal  
*S. nigrescens* subsp.: Nepal  
*Soriculus* sp.: Nepal  
*Suncus murinus murinus*: Nepal  
*Ochotona roylei roylei*: Nepal  
*Alticola roylei* subsp.: Nepal  
*Mus musculus urbanus*: Nepal  
*M. homourus* subsp.: Nepal  
*Rattus eha eha*: Nepal  
*R. fulvescens fulvescens*: Nepal  
*Rattus* sp.: Nepal  
*Felis* sp.: Nepal  
*Canis aureus* subsp.: Nepal  
*Cuon alpinus primaevus*: Nepal  
*Muntiacus muntjak vaginalis*: Nepal  
*Axis axis axis*: Nepal  
*Naemoredus goral hodgsoni*: Nepal  
*Capricornis sumatraensis thar*: Nepal  
domestic dog: Nepal  
*Bubalus bubalus bubalus*: Nepal  
domestic goat: Nepal  
domestic sheep: Nepal  
house wall: Nepal  
*Muntiacus reevesi micrurus*: Taiwan  
*Capricornis swinhoei*: Taiwan  
*Felis bengalensis*: Thailand  
*Paradoxurus hermaphrodites*: Thailand  
*Muntiacus muntjak*: Thailand

*Ixodes ovatus* Neumann, 1899

Takada, N.; and Yamaguchi, T., 1974, *Eisei Dobutsu (Japan. J. San. Zool.)*, v. 25 (1), 35-40

*Mustela sibirica itatsi*  
*Selenarctos thibetanus japonicus*  
*Nyctereutes procyonoides viverrinus*  
*Microtus montebelli montebelli*

*Ixodes ovatus* Neumann, 1899.-- Continued.

Takada, N.; and Yamaguchi, T., 1974, *Eisei Dobutsu (Japan. J. San. Zool.)*, v. 25 (1), 35-40

*Aschizomys andersoni*  
*Apodemus speciosus speciosus*  
*Apodemus argenteus argenteus*  
*Urotrichus talpoides hondonis*  
*Crocidura dsinezumi chisai*  
human  
all from Honshu, Japan

*Ixodes ovatus* Neumann

Van Peenen, P. F. D.; et al., 1977, *J. Protozool.*, v. 24 (2), 310-312  
*Bandicota indica nemorivaga*  
*Rattus coxinga*  
all from Taiwan

*Ixodes pacificus*

Howarth, J. A.; and Hokama, Y., 1973, *Proc. 6. National Anaplasmosis Conf. (Las Vegas, Nevada, March 19-20, 1973)*, 117-120  
*Anaplasma marginale*, laboratory transmission trials using *Ixodes pacificus* (transstadial transmission trial), *Dermacentor occidentalis* (transstadial and transovarian transmission trials), and *D. andersoni* (injection of macerated ticks; injection of tick saliva)

*Ixodes pacificus*

Hughes, L. E.; et al., 1976, *Am. J. Trop. Med. and Hyg.*, v. 25 (3), 513-516  
*Ixodes pacificus*, isolation of spotted fever group rickettsia: western Oregon

*Ixodes pari*

Tovornik, D., 1970, *Acta Parasitol. Yugoslavica*, v. 1 (1-2), 103-106  
tick fauna in foci of Central European Encephalitis; list of tick species found on birds: Yugoslavia

*Ixodes percarvatus-auritulus* groups

Heath, A. C. G., 1977, *Tuatara*, v. 23 (1), 26-39  
zoogeography of the New Zealand tick fauna, possible origins, collection and preservation

*Ixodes persulcatus*

Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ

*Ixodes persulcatus*

Blaskovic, D.; and Nosek, J., 1972, *Progr. Med. Virol.*, v. 14, 275-320  
tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area

*Ixodes persulcatus*

Fujisaki, K.; Kitaoka, S.; and Morii, T., 1976, *National Inst. Animal Health Quart.*, v. 16 (3), 122-128  
comparative observations, feeding, molting, oviposition and hatching, ixodid ticks, laboratory cultural conditions



- Ixodes persulcatus*  
Ioffe, I. D., 1976, Zool. Zhurnal, v. 55 (4), 526-530  
*Ixodes persulcatus*, *Haemaphysalis concinna*, *Dermacentor silvarum*, olfactory and visual centers, relative size, importance of photo-reception
- Ixodes persulcatus*  
Ioffe, I. D.; et al., 1977, Zhurnal Obsh. Biol., v. 38 (6), 885-892  
*Ixodes persulcatus*; *Dermacentor silvarum*, effect of synthetic juvenile hormone analogue
- Ixodes persulcatus*  
Kitaoka, S.; and Fujisaki, K., 1976, National Inst. Animal Health Quart., v. 16 (3), 114-121  
tick larvae, nymphs, accumulating process, concentration ratios, ingested blood meals
- Ixodes persulcatus*  
Korenberg, E. I.; et al., 1976, Zool. Zhurnal, v. 55 (2), 282-286  
ixodid ticks, distribution study, importance of habitat profiles and detailed distribution map for planning control measures: Baikal-Amur main line
- Ixodes persulcatus*  
Korenberg, E. I.; and Lebedeva, N. N., 1976, Biul. Moskov. Obshch. Ispyt. Priro., Otdel. Biol., n. s., v. 81 (2), 72-81  
*Ixodes persulcatus* as example of the category "population class" within the next higher rank, regional population complex
- Ixodes persulcatus*  
Korenberg, E. I.; and Lebedeva, N. N., 1976, Zool. Zhurnal, v. 55 (10), 1468-1475  
*Ixodes persulcatus*, 59 regional population complexes within range, indices of abundance and adult seasonal activity, boundaries for each
- Ixodes persulcatus*  
Panfilova, I. M., 1976, Zool. Zhurnal, v. 55 (3), 371-377  
*Ixodes persulcatus*, *Dermacentor silvarum*, *Haemaphysalis concinna*, react positively to weak light and negatively to strong light; position of photo-receptors
- Ixodes persulcatus*  
Savitskii, B. P.; and Savitskaia, G. M., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 19-23  
inhabitation of forests and pastures by ticks transferred by domestic and wild animals  
[*Bos taurus*]  
[*Equus caballus*]  
all from Lower and Middle Amur flood plain
- Ixodes persulcatus* Schulze, 1930, illus.  
Takada, N.; and Yamaguchi, T., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 35-40  
*Microtus montebelli montebelli*  
*Aschizomys andersoni*  
*Apodemus speciosus speciosus*  
*Apodemus argenteus argenteus*  
*Urotrichus talpoides hondonis*  
all from Honshu, Japan
- Ixodes persulcatus*  
Vassilenko, V.; and Ioks, S., 1975, Med. Biol., v. 53 (5), 312-316  
*Ixodes ricinus*, *I. persulcatus*, investigations of tick-borne viruses in Estonia
- Ixodes petauristae*  
Sreenivasan, M. A.; and Bhat, H. R., 1976, Indian J. Med. Research, v. 64 (4), 568-572  
*Ixodes petauristae* as probable vector of Kyasanur forest disease virus in common tree-hole rodents (*Vandeleuria oleracea*)
- Ixodes (Afrixiodes) pilosus, illus.*  
Clifford, C. M.; Theiler, G.; and Baker, M., 1975, Onderstepoort J. Vet. Research, v. 42 (1), 33-39  
dogs: Natal, Republic of South Africa  
cattle: Natal, Republic of South Africa  
springbok: Cape Prov., Republic of South Africa
- Ixodes pilosus*  
Matthewson, M. D.; and Baker, J. A. F., 1975, J. South African Vet. Ass., v. 46 (4), 341-344  
susceptible to arsenic: Republic of South Africa; Swaziland
- Ixodes plumbeus*  
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nest ectoparasite specificity  
+[*Riparia riparia*] (nest)
- Ixodes plumbeus*  
Saikkü, P., 1974, Med. Biol., v. 52 (2), 98-103  
*Riparia riparia*: southeast Finland
- Ixodes pomerantzzevi*  
Sagdieva, P. D., 1977, Soobshch. Akad. Nauk Gruzinsk. SSR, v. 85 (2), 457-459  
ecology, seasonal distribution  
[*Apodemus speciosus*]  
[*Clethrionomys rufocanus*]  
[*Clethrionomys rutilus*]  
all from Sikhote-Alinsk zapovednik (Terneisk region, Primorskii krai)
- Ixodes procaviae* Arthur & Burrow, 1957  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus: Africa
- Ixodes pseudoratus* Arthur & Burrow, 1957  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Potamochoerus: Africa
- Ixodes putus*  
Lvov, D. K.; et al., 1975, Med. Biol., v. 53 (5), 325-330  
review of tick-borne viruses found in bird colonies  
*Uria aalge*  
alcids  
*Phalacrocorax filamentosus*  
*P. pelagicus*  
*Fulmarus glacialis*  
*Lunda cirrhata*  
*Phalacrocorax urilie*

*Ixodes putus*.-- Continued.

- Lvov, D. K.; et al., 1975, *Med. Biol.*, v. 53 (5), 325-330  
goose  
*Uria lomvia*  
*Rissa tridactyla*  
all from Russia
- Ixodes putus* Pickard-Cambridge, 1878  
Lvov, D. K.; et al., 1976, *Arch. Virol.*, v. 51 (1-2), 157-161  
Paramushir virus (new arbovirus) isolated from ticks *Ixodes signatus* and *Ixodes putus* collected from nesting sites of colonial sea birds in north-western part of Pacific Ocean basin
- Ixodes redikorzevi* Ol.  
Amanniazova, R. D., 1975, *Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk* (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Ixodes redikorzevi*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Ixodes ricinus* Linne 1758  
Artz, V., 1975, *Entom. Germanica*, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus sylvaticus*  
*A. flavicollis*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
*M. agrestis*  
all from Schleswig-Holstein
- Ixodes ricinus*  
Aspoeck, H., 1976, *Anz. Schadlingsk.*, v. 49 (11), 164-166  
*Ixodes ricinus*, arthropod-borne infections in man, current problems, review: Central Europe
- Ixodes ricinus*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
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- Ixodes ricinus*  
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- Ixodes ricinus*  
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role as vector of *Babesia bovis* of cattle, distribution, cattle have antibody against *I. ricinus* saliva, exper. vector of *B. berbera* and *B. argentina*: Low Plain of the Rhone, Switzerland
- Ixodes ricinus*  
De Jonghe, R.; and Vermeiren, G., 1977, *Vlaams Diergeneesk. Tijdschr.*, v. 46 (1), 61-62  
*Babesia bovis* outbreak, cattle; *Ixodes ricinus* found on sick cattle: Wallonie
- Ixodes ricinus* L.  
Edler, A.; and Nilsson, A., 1973, *Entom. Scand.*, v. 4 (4), 274-282  
ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden
- Ixodes ricinus*  
Frick, W., 1977, *Monatsh. Vet.-Med.*, v. 32 (8), 291-294  
different concentrations of dichlorvos, cattle
- Ixodes ricinus* Lin., 1746  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, *Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool.* (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Ixodes ricinus*  
Gilot, B.; et al., 1976, *Ann. Parasitol.*, v. 51 (2), 241-254  
*Apodemus sylvaticus*  
vache  
chevre  
homme  
*Eliomys quercinus*  
*Arvicola terrestris*  
all from Nord-Ouest de l'Espagne
- Ixodes ricinus*  
Gilot, B.; Pautou, G.; and Moncada, E., 1975, *Acta Trop.*, v. 32 (4), 340-347  
*Ixodes ricinus*, use of vegetation maps to determine appropriate biotopes for collecting tick populations: sud-est de la France
- Ixodes ricinus*, illus.  
Goetz, H.; and Patiri, C., 1975, *Med. Klin.*, Berlin, v. 70 (34), 1332-1339  
*Ixodes ricinus*, various skin reactions and complications following human tick bites, clinical management
- Ixodes ricinus*  
Grønstedt, H.; and Ulvund, M. J., 1977, *Acta Vet. Scand.*, v. 18 (4), 575-577  
*Ixodes ricinus*, sheep, tick-borne fever resulting in reduced resistance to listeric septicaemia

- Ixodes ricinus*, illus.  
Hinaidy, H. K., 1976, Zentralbl. Vet.-Med., Reihe B, v. 23 (1), 66-73  
Vulpes vulpes: Österreich
- Ixodes ricinus*  
Joyner, L. P., 1971, Symposia Brit. Soc. Parasitol., v. 9, 1-37  
laboratory maintenance of tick-borne Babesia and Theileria, extensive review: collection of field material and infection of laboratory animals; management and preparation of experimental animals; cyclical maintenance; mechanical transmission; tissue culture; low-temperature preservation
- Ixodes ricinus* L.  
Kaufman, W., 1976, J. Exper. Biol., London, v. 64 (3), 727-742  
fluid secretion by in vitro salivary glands of ixodid ticks with progression of feeding, control of salivation is probably neural rather than hormonal
- Ixodes ricinus*  
Kozuch, O.; et al., 1976, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 25 (2), 88-96  
natural foci of tick-borne encephalitis, relatively high incidence of virus-bearing  
*Ixodes ricinus*: Olomouc District
- Ixodes ricinus*  
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Lepus europaeus: Austria
- Ixodes ricinus*  
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Lepus europaeus
- Ixodes ricinus*  
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localization of tick-borne fever agent in  
*Ixodes ricinus*
- Ixodes ricinus* (Linne, 1758)  
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Vulpes vulpes: Norge
- Ixodes ricinus*  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 265-274  
Meles meles: Norge
- Ixodes ricinus* Linne 1758  
Mikacic, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 49-54  
seasonal occurrence: Rab and Pag
- Ixodes ricinus*  
Mohammed, A. N., 1976, Tijdschr. Diergeneesk., v. 101 (8), 408-412  
*Ixodes ricinus*, seasonal incidence, vegetation and cattle: Netherlands
- Ixodes ricinus*  
Mohammed, A. N., 1976, Tijdschr. Diergeneesk., v. 101 (8), 413-420  
laboratory maintenance on hedgehogs and cattle, transovarial transmission of Babesia divergens, pre-ovipositioning and pre-hatching periods as affected by photoperiodicity
- Ixodes ricinus*  
Moorhouse, D. E.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (5), 571-572  
evidence of parasitism of female ticks by males of the genus Ixodes, possible implications for transmission of disease agents
- Ixodes ricinus*  
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Vulpes vulpes  
Martes foina  
all from France
- Ixodes ricinus*  
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- Ixodes ricinus*  
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Apodemus sylvaticus: Isle of Man
- Ixodes ricinus*  
Rupes, V.; Ledvinka, J.; and Chmela, J., 1976, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 25 (6), 345-346, 347  
*Ixodes ricinus*, human, biolite L or M (tetramethrin synergized piperonyl butoxide) as repellent; sesamex increases repellency
- Ixodes ricinus*  
Saikku, P., 1974, Med. Biol., v. 52 (2), 98-103  
role of *Ixodes ricinus* ticks collected from passerine birds in the ecology and spread of Uukuniemi virus  
Anthus trivialis  
Motacilla alba  
Prunella modularis  
Acrocephalus schoenobaenus  
A. dumetorum  
Sylvia borin  
S. communis  
S. curruca  
Phylloscopus trochilus  
Muscicapa striata  
Saxicola rubetra  
Oenanthe oenanthe  
Phoenicurus phoenicurus  
Erithacus rubecula  
Luscinia luscinia  
Cyanosylvia svecica  
Turdus pilaris  
T. merula  
T. iliacus  
T. philomelos  
Parus montanus  
P. major  
Emberiza citrinella  
E. schoeniclus



*Ixodes ricinus*.-- Continued.

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*Fringilla coelebs*  
*Carpodacus erythrinus*  
*Passer domesticus*  
*Sturnus vulgaris*  
*Pica pica*  
 all from southeast Finland
- Ixodes ricinus*  
 Saikkku, P.; and Brummer-Korvenkontio, M., 1975, *Med. Biol.*, v. 53 (5), 317-320  
*Ixodes ricinus*, vector of tick-borne encephalitis and Uukuniemi viruses: Finland
- Ixodes ricinus* (L., 1758)  
 Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, *Rev. Iber. Parasitol.*, v. 34 (3-4), 245-252  
*Rhinolophus ferrum equinum*  
*Myotis myotis*  
 all from Spain
- Ixodes ricinus* L. 1758, *illus.*  
 Sanchez Acedo, C.; and Ramon Vericad, J., 1973, *Rev. Iber. Parasitol.*, v. 33 (1), 29-38  
*Turdus merula*  
*Lepus europeus*  
*Apodemus sylvaticus*  
*Mustela putorius*  
*Martes foina*  
 all from Alto Aragon
- Ixodes ricinus*, *illus.*  
 Saratsiotis, A.; and Battelli, C., 1972, *Parassitologia*, v. 14 (1), 183-192  
*Ixodes gibbosus*, first report from Italy, cause of human tick paralysis in Greece, distinctions from *I. ricinus* and *I. hexagonus* synonymy  
 chevre: Italie (Monteroduni (Isernia); San Marco in Lamis (Foggia); Vico del Gargano (Foggia))
- Ixodes ricinus*  
 Schulz-Key, H., 1975, *Tropenmed. und Parasitol.*, v. 26 (4), 494-498  
*Ixodes ricinus*, probable vector of *Wehrdikhansia rugosicauda* in *Capreolus capreolus* of Southern Germany
- Ixodes ricinus*  
 Sonenshine, D. E., 1975, *Misc. Publication Entom. Soc. Am.*, v. 9 (5), 243-249  
 population dynamics, influence of host-parasite interactions, *Ixodes ricinus* in relation to tick-borne encephalitis; *Dermacentor variabilis* in relation to Rocky Mountain spotted fever, review
- Ixodes ricinus*  
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- Ixodes ricinus*  
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- Ixodes ricinus*  
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- Ixodes ricinus*  
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- Ixodes (Afrixodes) rubicundus*, *illus.*  
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 eland: Natal, Republic of South Africa  
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- Ixodes scapularis* Say  
 Amin, O. M., 1973, *J. Med. Entom.*, v. 10 (1), 110-111  
*Canis familiaris*: Racine-Kenosha Co., Wisconsin
- Ixodes scapularis* Say  
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*Canis familiaris*: Kenosha County, Wisconsin
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*Sus scrofa domesticus* x *Sus scrofa cristatus*: Aransas National Wildlife Refuge, southern Texas

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- Ixodes scapularis*  
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- Ixodes sculptus* Neumann  
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*Spermophilus t. tridecemlineatus*: Kenosha County, Wisconsin
- Ixodes (Ixodes) shahi* Clifford, Hoogstraal & Kohls, 1971  
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cattle: Fukien Province  
goats: Fukien Province  
[no host]: Anhwei Province
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*Mustela siberica*  
*Mustela*  
*Martes flavigula*  
all from Nepal
- Ixodes tanuki* Saito, 1964  
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- Ixodes tasmani* Neumann  
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helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Ixodes tasmani*  
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*Rattus fuscipes*  
*Melomys cervinipes*  
*Perameles nasuta*  
*Trichosurus caninus*  
all from Australia
- Ixodes tasmani* Neumann  
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*Potorous tridactylus*: Queensland  
*Isodon macrourus*: Queensland  
*Trichosurus vulpecula* (exper.)
- Ixodes tasmani* Neumann  
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- Ixodes texanus* Banks  
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*Procyon lotor hirtus*: Kenosha County, Wisconsin
- Ixodes (Pholeoixodes) texanus* Banks, illus.  
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*Procyon lotor*: near Montpelier, Virginia

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*Bassariscus astutus flavus*: Kerr County, Texas
- Ixodes trianguliceps* Birula 1895  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus sylvaticus*  
*A. flavicollis*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
all from Schleswig-Holstein
- Ixodes trianguliceps*  
Blaskovic, D.; and Nosek, J., 1972, Progr. Med. Virol., v. 14, 275-320  
tick-borne encephalitis, epidemiology and public health importance, ecologic study of ticks, their mammalian hosts and means of disease control: Tribec area
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ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden
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Gilot, B.; et al., 1976, Ann. Parasitol., v. 51 (2), 241-254  
*Apodemus sylvaticus*  
*Microtus nivalis*  
*Clethrionomys glareolus*  
all from Nord-Ouest de l'Espagne
- Ixodes trianguliceps*  
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evidence of parasitism of female ticks by males of the genus *Ixodes*, possible implications for transmission of disease agents
- Ixodes trichosuri* Roberts  
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helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Ixodes trichosuri*  
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*Zootera dauma*  
*Z. mollissima*  
*Carpodacus nipalensis*  
all from Nepal
- Ixodes (Ceratixodes) uriae* White, 1862 (I. putus Pickard-Cambridge, 1878, of Russian workers)  
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isolation of Kemerovo and Sakhalin groups of viruses from *Ixodes uriae* collected at Macquarie Island, Southern Ocean
- Ixodes uriae* White  
Heath, A. C. G., 1977, Tuatara, v. 23 (1), 26-39  
zoogeography of the New Zealand tick fauna, possible origins, collection and preservation
- Ixodes (Ceratixodes) uriae* White, 1852  
Main, A. J.; et al., 1973, J. Med. Entom., v. 10 (3), 229-235  
*Ixodes uriae*, vector of Great Island and Bauline viruses, role of ticks and migratory birds in viral transmission, possible public health importance  
*Fratercula arctica*  
*Larus argentatus*  
all from Great Island, Newfoundland, Canada
- Ixodes uriae*  
Main, A. J.; et al., 1976, J. Wildlife Dis., v. 12 (2), 182-194  
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*Ixodes uriae*, isolation of 36 viruses comprising 4 serological groups from ticks collected in seabird nesting sites: Three Arch Rocks National Wildlife Refuge and Yaquina Head, Oregon
- Ixodes uriae*  
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*Ixodes uriae*, review of tick-borne viruses: Norway
- Ixodes uriae*  
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*Monodelphis breviceaudata*  
*Proechimys guyannensis*  
*Dasyprocta aguti*  
*Oryzomys albigularis*  
*Oryzomys minutus*  
*Heteromys anomalus*  
*Didelphis marsupialis*  
*Sciurus igniventris*  
*Philander opossum*  
*Myoprocta pratti*  
*Proechimys* sp.  
all from Venezuela
- Ixodes ventralloi* Gil Collado, 1936, illus.  
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Sus scrofa: Alto Aragon
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- Ixodidae**  
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- Ixodidae**  
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- Ixodidae**  
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- Ixodidae**  
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dogs, surgical technique for cannulating right cervical lymphatic duct, use in study of lymph changes induced by feeding ticks
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Thornton, J. E.; et al., 1973, J. Wildlife Dis., v. 9 (2), 160-162  
*Antelope cervicapra*: Texas
- Ixodiderma* Lawrence 1935  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-713  
key to species, diagnosis
- Ixodiderma inverta* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-713  
key, description  
*Platysaurus langi*: Organpipes Pass, Natal  
*P. melanotus melanotus*: Organpipes Pass, Natal  
*P. imperator*: Mtoko District, Southern Rhodesia  
*P. torquatus*: Mtoko District, Southern Rhodesia
- Ixodiderma lacertae* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-713  
key, description
- Ixodiderma pilosa* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-713  
key, description
- Ixodiderma torquatus* n. sp., illus.  
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*Platysaurus torquatus*: Mtoko District, Southern Rhodesia
- Ixodid ticks**  
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- Ixodid larvae**  
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seasonal distribution  
*Camelus dromedarii* (thoracic region): Hissar and suburbs, India

- Kaasia Brennan 1958  
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synoptic key to 87 genera of chiggers in the Western Hemisphere
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- Kiricephalus pattoni, illus.  
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- Kirkioestrus blanchardi Gedoelst  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
Alcelaphus buselaphus cokei: Kenya
- Kirkioestrus minutus Rodhain & Bequaert  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
Alcelaphus buselaphus cokei: Kenya
- Kiwiialges n. g.  
Gaud, J.; and Atyeo, W. T., 1970, Acarologia, v. 12 (2), 402-414  
Analgidae, Analginae  
tod: K. palametrichus n. sp.
- Kiwiialges palametrichus n. sp. (tod), illus.  
Gaud, J.; and Atyeo, W. T., 1970, Acarologia, v. 12 (2), 402-414  
Apteryx australis lawryi: Iles Stewart  
A. haastii  
A. owenii
- Kiwiialges phalagotrichus n. sp., illus.  
Gaud, J.; and Atyeo, W. T., 1970, Acarologia, v. 12 (2), 402-414  
Apteryx owenii  
A. australis lawryi: Iles Stewart
- Kiwilichus n. g.  
Gaud, J.; and Atyeo, W. T., 1970, Acarologia, v. 12 (2), 402-414  
Pterolichidae, Syringobiinae  
tod: K. cryptosikyus n. sp.
- Kiwilichus cryptosikyus n. sp. (tod), illus.  
Gaud, J.; and Atyeo, W. T., 1970, Acarologia, v. 12 (2), 402-414  
Apteryx australis australis (tuyau des remiges vestigiales)  
A. australis lawryi: Iles Stewart
- Kiwilichus delosikyus n. sp., illus.  
Gaud, J.; and Atyeo, W. T., 1970, Acarologia, v. 12 (2), 402-414  
Apteryx australis (tuyau des remiges vestigiales)
- Knemidokoptes sp.  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
Agelaius phoeniceus: South Bass Island, Ottawa County, Ohio
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Knemidocoptes pilae, cage birds, clinical symptoms, treatment with Lindacanine
- Kodocephalon Keler, 1939  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69  
Goniodidae  
key, phylogenetic position
- Kodocephalon suborbiculatum bradicephalum  
Tendeiro, illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Kodocephalon suborbiculatum suborbiculatum (Piaget), illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Kramerella [sp.] aff. major (Haller, 1878)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
Otus scopis: Moldavian SSR
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Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
Strix aluco: Moldavian SSR
- Kurodaia [sp.], probably K. magna  
Little, J. W.; and Hopkins, S. H., 1975, Proc. Oklahoma Acad. Sc., v. 55, 154-156  
Strix varia: near Hempstead, Waller County, Texas

*Kymocta* Yunker & Brennan

Brennan, J. M.; and van Bronswijk, J. E. M. H., 1973, J. Med. Entom., v. 10 (5), 449-451  
 key to species, includes: *Kymocta brasiliensis*; *K. zulia* n. sp.; *K. faitkeni* Brennan, 1968; *K. inca* (Brennan & Jones, 1961); *K. teratarsalis* Yunker & Brennan, 1962; *K. chironectes* Yunker & Brennan, 1962

*Kymocta* Yunker and Brennan 1962

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*Kymocta faitkeni* Brennan, 1968

Brennan, J. M.; and van Bronswijk, J. E. M. H., 1973, J. Med. Entom., v. 10 (5), 449-451  
 key  
*Zygodontomys lasiurus*: Brazil  
*Didelphis marsupialis*: "  
*Oryzomys capito*: Brazil  
*Rhipidomys macconnelli*: Venezuela

*Kymocta faitkeni* Brennan & Yunker, 1969 (in part)  
 Brennan, J. M.; and van Bronswijk, J. E. M. H., 1973, J. Med. Entom., v. 10 (5), 449-451  
 as syn. of *Kymocta zulia* n. sp.

*Kymocta inca* (Brennan & Jones)

Brennan, J. M.; and van Bronswijk, J. E. M. H., 1973, J. Med. Entom., v. 10 (5), 449-451  
 synonymy, key  
*Proechimys guyannensis*: Brazil  
*Oryzomys capito*: Brazil  
*Rhipidomys macconnelli*: Venezuela  
*Akodon urichi*: Venezuela

*Kymocta zulia*, n. sp., illus.

Brennan, J. M.; and van Bronswijk, J. E. M. H., 1973, J. Med. Entom., v. 10 (5), 449-451  
 key, syn.: *Kymocta faitkeni* Brennan & Yunker, 1969 (in part)  
*Heteromys anomalus*: *Zulia*, 20 km SW Machiques (Kasmera), Venezuela



- Labidocarpellus* g. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Chirodiscidae, [lapsus p. 50 as *Labidocarpellus*]  
tod: *Labidocarpellus nyctimene* sp. n.
- Labidocarpellus chropterus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Chropterus auritus*: Joinville, Bresil
- Labidocarpellus cynopterus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Cynopterus brachyotis altitudinis*: Pahang Gunong, Malaya
- Labidocarpellus eonycteris* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Eonycteris spelaea*: Perak, Malaysia
- Labidocarpellus notopteris* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Notopteris macdonaldi*: Ile de Tanna, Nouvelles-Hebrides
- Labidocarpellus novaeguineae* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Nyctimene albiventer papuanus*: Kairuru Is., Nouvelle-Guinee
- Labidocarpellus nyctimene* sp. n. (tod)  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Nyctimene albiventer papuanus*: Kairuru Is., Nouvelle-Guinee
- Labidocarpellus selangorensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Diaconotus spadiceus*: Selangor
- Labidocarpidae*  
McDaniel, B., 1971, Acarologia, v. 12 (4), 803-823  
key to genera
- Labidocarpidae*  
McDaniel, B., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (2), 15-32  
key to Venezuelan genera
- Labidocarpinae* [sp.]  
Sandhu, P. S.; and Kapoor, V. C., 1977, Entom. News, v. 88 (5-6), 151-152  
*Millardia meltada*  
*Mus booduga*  
all from Punjab, India
- Labidocarpoides hipposideros* ssp. *ceylanicus* ssp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Rhinolophus domei sobrinus*: Grotte Pitakele, Ceylan
- Labidocarpus Trouessart*, 1895  
McDaniel, B., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (2), 15-32  
key
- Labidocarpus dossuarius* new species, illus.  
McDaniel, B., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (2), 15-32  
*Molossus major*: Bolivar, 59 km SE El Dorado, Km 74, El Manaco, Venezuela
- Labidocarpus rhinolophi* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Rhinolophus malayanus*: Wang Tangga, Kangar, Malaya
- Labidophorus* sp. Whitaker, 1963 (not Koch, 1941)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Dermacarus newyorkensis* Fain, 1969
- Laelaps*  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates: Schleswig-Holstein
- Laelaps* Koch, 1836  
Domrow, R., 1976, Oriental Insects, v. 10 (2), 173-177  
Syn.: *Mastigolaelaps Tenorio* and Radovsky, 1973
- Laelaps*  
Tenorio, J. A. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (4), 385-391  
nomenclature of *Laelaps* and related genera, status and role of supraspecific groupings
- Laelaps* spp.  
Harinasuta, C.; Guptavanij, P.; and Vasuvat, C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 105-127  
*Rattus* spp.  
*R. rattus*  
all from mangrove areas of Thailand
- Laelaps* sp.  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Myomys daltoni*  
*Praomys tullbergi*  
*Mastomys* sp.  
*Hylomyscus* sp.  
*Rattus rattus*  
*Lemniscomys striatus*  
*Arvicanthis niloticus*  
*Dasymys incommis*  
*Lophuromys sikapusi*  
*Uranomys foxi*  
*Mus (Leggada) musculoides*  
*Tatera kempii*  
*Crocidura manni*  
*Crocidura occidentalis nigeriae*  
all from Ibadan Area. Western Nigeria
- Laelaps* sp.  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
*Rattus norvegicus*: Carshalton

- Laelaps agilis* C. L. Koch, 1836  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan
- Laelaps agilis* Koch  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
Mus caroli: Korea  
Rattus norvegicus caraco: Korea  
Rattus rattus flavipectus: Korea
- Laelaps alaskensis* Grant  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
Microtus pennsylvanicus: Parkside, Wisconsin
- Laelaps alaskensis* Grant  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
Microtus p. pennsylvanicus  
Peromyscus leucopus noveboracensis  
all from Kenosha County, Wisconsin
- Laelaps alaskensis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
Clethrionomys gapperi: Fires Creek area, Nantahala Mountains, North Carolina
- Laelaps algericus* (Hirst)  
Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
Lagurus lagurus: Karagandinsk oblast
- Laelaps* (Mastigolaelaps) anomala (Tipton et al., 1966) Furman, 1972  
Tenorio, J. A. M.; and Radvosky, F. J., 1973, J. Med. Entom., v. 10 (4), 385-391  
key, summary of host and geographical distribution, syn.: Tur anomalus Tipton et al., 1966
- Laelaps arvalis* Zachvatkin  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
Mus spp.: Okinawa
- Laelaps californicus* Ewing, 1925  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of Androlaelaps fahrenheitsi (Berlese, 1911)
- Laelaps* (Echinolaelaps) capitatipilus n. sp., illus.  
Tenorio, J. M., 1975, J. Med. Entom., v. 12 (1), 77-86  
Rattus surifer: Sebulu, Kutai, E Kalimantan, Indonesia
- Laelaps clethrionomydis*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool. Zhurnal, v. 54 (1), 151-153  
Ochotona alpina: Western Sayan Mountains
- Laelaps* (Echinolaelaps) dasymydis n. sp., illus.  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
key  
Dasymys incommutus: outskirts of Ibadan, Western Nigeria  
Tatera kempii: Western Nigeria
- Laelaps dispar* Delfinado  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
Rattus luzonicus: Luzon, Philippines
- Laelaps echidninus*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 113-114  
Rattus rattus diardii  
R. norvegicus  
all from Jakarta, Indonesia
- Laelaps echidninus*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
Bandicota indica setifera  
Rattus argentiventer  
R. r. diardii  
Suncus murinus  
all from Ancol, Jakarta, Indonesia
- Laelaps echidninus* Berlese, 1887  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Rattus exulans: New Hebrides
- Laelaps* (Echinolaelaps) echidnina Berlese, 1887  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
synonymy, brief description, key  
Rattus rattus  
+unidentified rodent (nest)  
all from Western Nigeria
- Laelaps echidninus* Berl., 1887  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
as syn. of Laelaps (Echinolaelaps) echidnina Berlese, 1887
- Laelaps echidninus* Berlese  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
Apomys datae: Luzon, Philippines  
Bandicota indica nemorivaga: Taiwan  
Mus caroli: Korea  
M. formosanus: Taiwan  
M. spp.: Okinawa  
Rattus exulans: Thailand  
R. e. querceti: Luzon, Philippines  
R. luzonicus: Luzon, Philippines  
R. norvegicus: Taiwan; Okinawa  
R. n. caraco: Korea  
R. rattus rufescens: Okinawa  
Rattus sp.: Korea; Luzon, Philippines  
Suncus murinus: Taiwan  
S. m. riukiuanus: Okinawa  
Herpestes senitorquatus: Okinawa

- Laelaps* (Mastigolaelaps) flagellifer Domrow, 1962, illus.  
Tenorio, J. A. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (4), 385-391  
key, summary of host and geographical distribution
- Laelaps* (Echinolaelaps) gigantea Berlese, 1918, illus.  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
synonymy, brief description, key  
*Lemniscomys striatus*  
*Arvicanthus niloticus*  
*Myomys daltoni*  
*Dasymys incommis*  
*Mastomys* sp.  
*Rattus rattus frugivorus*  
all from Ibadan area, Western Nigeria
- Laelaps giganteus* Berlese, 1918  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
as syn. of *Laelaps* (Echinolaelaps) gigantea Berlese, 1918
- Laelaps giganteus* var. bakeri Hirst, 1925  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
as syn. of *Laelaps* (Echinolaelaps) gigantea Berlese, 1918
- Laelaps glasgowi* Ewing, 1925  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Androlaelaps fahrenheitsi* (Berlese, 1911)
- Laelaps hilaris*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool. Zhurnal, v. 54 (1), 151-153  
*Ochotona alpina*: Western Sayan Mountains
- Laelaps hirtus* Delfinado  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Apomys datae*  
*Rattus luzonicus*  
*R. rattus mindanensis*  
all from Luzon, Philippines
- Laelaps insignis* Delfinado  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus luzonicus*: Luzon, Philippines  
*R. rattus mindanensis*: Luzon, Philippines
- Laelaps* (Echinolaelaps) joaquini n. sp., illus.  
Tenorio, J. M., 1975, J. Med. Entom., v. 12 (1), 77-86  
*Rattus surifer*: Sungai Beras, Kutai, E Kalimantan, Indonesia
- Laelaps* (Mastigolaelaps) juxtaposita n. sp., illus. (tod of subgen.)  
Tenorio, J. A. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (4), 385-391  
key  
*Rattus b. bartelsii*: Tjibodas, W. Java, Indonesia
- Laelaps kimanis* sp. nov., illus.  
Domrow, R., 1976, Oriental Insects, v. 10 (2), 173-177  
*Rattus rattus diardii*: coastal Sabah, Tuaran
- Laelaps kochi* Oudemans  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Microtus pennsylvanicus*: Parkside, Wisconsin
- Laelaps kochi* [of] Amin, 1973  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
as syn. of *Hyperlaelaps microti* (Ewing)
- Laelaps kochi*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
all from Coles County, Illinois
- Laelaps kochi* Oudemans, 1936  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Laelaps kochi* Oudemans  
Winchell, E. J., 1977, J. Parasitol., v. 63 (4), 756-757  
*Microtus breweri*: Muskeget Island, 5 miles west of Nantucket, Massachusetts
- Laelaps manguinhosi* Fonseca, 1936  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Laelaps oryzomydis*, Pratt & Lane, 1953
- Laelaps mercedesae* Strandtmann and Mitchell  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus luzonicus*: Luzon, Philippines
- Laelaps microti*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
all from Warren County, Kentucky
- Laelaps multispinosus* Banks  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Ondatra zibethica*: Bristol, Kenosha Co., Wisconsin
- Laelaps multispinosus* Banks  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Ondatra z. zibethicus*: Kenosha County, Wisconsin



- Laelaps* (Echinolaelaps) *muricola* Tragardh, 1910, illus.  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
synonymy, brief description, key  
*Myomys daltoni*  
*Lophuromys sikapusi*  
*Lemniscomys striatus*  
*Tatera kempii*  
*Uranomys foxi*  
*Dasymys incommutus*  
*Arvicanthis niloticus*  
*Mastomys* sp.  
*Mus musculoides*  
*Praomys tullbergi*  
*Rattus rattus*  
*Hylomyscus* sp.  
*Cricetomys gambianus*  
*Crocidura manni*  
*C. occidentalis nigeriae*  
all from Ibadan area, Western Nigeria
- Laelaps muricola* Tragardh, 1910  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
as syn. of *Laelaps* (Echinolaelaps) *muricola* Tragardh, 1910
- Laelaps myonyssognathus*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Rattus norvegicus*  
*R. r. diardii*  
*Suncus murinus*  
all from Ancol, Jakarta, Indonesia
- Laelaps nigeriensis*  
Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Dasymys incommutus*  
*Lophuromys sikapusi*  
*Mus* (Leggada) *musculoides*  
all from Ibadan Area, Western Nigeria
- Laelaps nobilis* Delfinado  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus exulans querceti*  
*R. luzonicus*  
all from Luzon, Philippines
- Laelaps nuttalli*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 113-114  
*Rattus rattus diardii*  
*R. norvegicus*  
*Suncus murinus*  
all from Jakarta, Indonesia
- Laelaps nuttalli*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Rattus argentiventer*  
*R. exulans*  
*R. norvegicus*  
*R. r. diardii*  
*Suncus murinus*  
all from Ancol, Jakarta, Indonesia
- Laelaps nuttalli* Hirst, 1915  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Rattus exulans*: New Hebrides
- Laelaps nuttalli* Hirst  
Mitchell, C. J., 1971, J. Med. Entom., v. 8 (1), 56-61  
*Laelaps nuttalli*, *Polyplax spinulosa*, *Xenopsylla astia*, *X. cheopis* on *Bandicota bengalensis*, seasonal fluctuations; prevalence of *B. bengalensis* and accompanying decrease in *Rattus rattus* and *X. cheopis* has diminished the threat of plague: Calcutta, India
- Laelaps nuttalli* Hirst  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Apomys datae*: Luzon, Philippines  
*Mus caroli*: Korea  
*Mus* spp.: Okinawa  
*Rattus exulans querceti*: Luzon, Philippines  
*R. luzonicus*: Luzon, Philippines  
*R. norvegicus*: Okinawa  
*R. n. caraco*: Korea  
*R. rattus mindanensis*: Luzon, Philippines  
*R. r. rufescens*: Okinawa  
*Rattus* spp.: Korea; Luzon, Philippines  
*Suncus murinus riukianus*: Taiwan; Okinawa  
*Herpestes senitorquatus*: Okinawa
- Laelaps ornatus* Delfinado  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus luzonicus*: Luzon, Philippines
- Laelaps oryzomydis*, Pratt & Lane, 1953  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Laelaps manguinhosi* Fonseca, 1936
- Laelaps pachypus* Koch, 1839  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Laelaps kochi* Oudemans, 1936
- Laelaps pallidus* Tragardh, 1931  
Okereke, T. A., 1973, J. Med. Entom., v. 10 (2), 117-123  
as syn. of *Laelaps* (Echinolaelaps) *echidnina* Berlese, 1887
- Laelaps* (Echinolaelaps) *papagomyis* n. sp., illus.  
Tenorio, J. M., 1975, J. Med. Entom., v. 12 (1), 77-86  
*Papagomys armandvillei*: Ruteng, E. Nusa Tenggara, Flores I., Indonesia
- Laelaps pavlovskyi*  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool. Zhurnal, v. 54 (1), 151-153  
*Ochotona alpina*: Western Sayan Mountains
- Laelaps pedalis* Banks, 1910  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Eulaelaps stabularis* (Koch, 1836)

- Laelaps* (Mastigolaelaps) rex Domrow, 1962  
 Tenorio, J. A. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (4), 385-391  
 key, summary of host and geographical distribution
- Laelaps roubaudi*  
 Okereke, T. A., 1971, Bull. Entom. Soc. Nigeria, v. 3 (1), 50-55  
*Myomys daltoni*  
*Dasymys incomtus*  
 all from Ibadan Area, Western Nigeria
- Laelaps spinigera* Delfinado  
 Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus exulans querceti*  
*R. luzonicus*  
*R. rattus mindanensis*  
 all from Luzon, Philippines
- Laelaps stegemani* Hefley, 1935  
 Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Androlaelaps fahrenheitzi* (Berlese, 1911)
- Laelaps virginianus* Ewing, 1925  
 Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Androlaelaps fahrenheitzi* (Berlese, 1911)
- Laemobothriidae*  
 Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
*Amblycera*  
 key
- Laemobothrion* sp.  
 Rak, H.; Anwar, M.; and Niak, A., 1975, Bull. Soc. Path. Exot., v. 68 (6), 588-591  
*Aquila chrysaetos*: Iran
- Laemobothrion maximum*  
 Rak, H.; Anwar, M.; and Niak, A., 1975, Bull. Soc. Path. Exot., v. 68 (6), 588-591  
*Falco tinnunculus*: Iran
- Laemobothrion titan* Pg., 1880  
 Gan, E. I.; and Shousmanov, Sh., 1976, Uzbek. Biol. Zhurnal (5), 54-56  
 [Aquila rapax]: Kashka-Darya oblast  
 [Falco]: Kashka-Darya oblast
- Lagaropsylla* Jordan and Rothschild, 1921  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis
- Lagaropsylla mera* Jordan and Rothschild, 1921, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 diagnosis  
*Tadarida jobensis*: Queensland
- Lagopoecus* Waterston, 1922  
 Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
 lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *L. sinensis* (Sugimoto, 1930)
- Lagopoecus colchicus* Emerson  
 Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Phasianus colchicus*: Kenosha Co., Wisconsin
- Lagopoecus colchicus* Emerson 1949, illus.  
 Marconcini, A.; and Macchioni, G., 1975, Ann. Fac. Med. Vet. Pisa, v. 27, 1974, 101-112  
*Phasianus colchicus*: Tuscany
- Laminosioptes cysticola*  
 Amure, J.; and Stuart, J. C., 1977, Vet. Rec., v. 101 (19), 387  
 chicken (subcutaneous fascia of leg): Britain
- Lamproglena brevis* sp. nov., illus.  
 Kuang, P. R., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (3), 290-302  
 key  
*Scaphiodontopsis acanthopterus*  
*Varicorhinus gerlachi*  
*Tor brevifilis*  
 all from Ging-Tung, Yunnan, China
- Lamproglena cylindrata* sp. nov., illus.  
 Kuang, P. R., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (3), 290-302  
 key  
*Spinibarbichthys sinensis*  
*Spinibarbus caldwelli*  
 all from Yunnan, China
- Lamproglena forficata* sp. nov., illus.  
 Kuang, P. R., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (3), 290-302  
 key  
*Ophiocephalus striatus*: Muanghan Hsishuang Panna, Yunnan (Lantsang river system), China
- Lamproglena markewitschi* sp. nov., illus.  
 Sukhenko, G.; and Allamuratov, B., [? 1967], Gidrobiol. Zhurnal, v. 2 (6), 1966, 64-65  
 [Authorized for publication Dec. 22]  
*Nemachilus cristatus*: Degrezsk Reservoir (UzSSR)
- Lamproglena mongtinensis* sp. nov., illus.  
 Kuang, P. R., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (3), 290-302  
 key  
*Barilius guttatus*: Mongtin, Yunnan, China
- Lagaropsylla alloides* sp. n., illus.  
 Smit, F. G. A. M., 1977, Beaufortia (330), v. 26, 39-42  
*Tadarida congica*: north of Lagos, Nigeria

- Lamproglena pulchella* Nordmann, 1832  
Dabrowska, Z., 1970, *Acta Parasitol. Polon.*, v. 17 (20-38), 189-193  
*Leuciscus cephalus*  
L. idus  
*Aspius aspius*  
(gills of all): all from Vistula River near Warsaw
- Lamproglena yunnanensis* sp. nov., illus.  
Kuang, P. R., 1977, *Tung Wu Hsueh Pao (Acta Zool. Sinica)*, v. 23 (3), 290-302  
key  
*Schizothorax* (Sch.) *lissolabiatatus*: Ging-Tung and Wa-Yao (Pao-Shang Hsien), Yunnan, China
- Lapidocarpellus* [lapsus for *Labidocarpellus*]  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67
- Larinyssus charadrius* sp. n., illus.  
Butenko, O. M., 1973, *Zool. Zhurnal*, v. 52 (6), 951-953  
*Charadrius morinellus* (nasal cavity): Kur-gal'dzhinsk region, Tselinograd oblast, Kazakhsk SSR
- Larinyssus orbicularis* Strandtmann, 1948  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
*Larus atricilla* (nasal cavity): Santa Fe near Havana, Cuba  
*Rynchops nigra nigra* (nasal cavity): Laguna Los Dias Mones near Trinidad, Prov. of Las Villas, Cuba
- Laurentella audyi*  
Harinasuta, C.; Guptavanij, P.; and Vasuvat, C., 1974, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 5 (1), 105-127  
*Rattus* spp.  
*R. rattus*  
all from mangrove areas of Thailand
- Laurentella indica*  
Harinasuta, C.; Guptavanij, P.; and Vasuvat, C., 1974, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 5 (1), 105-127  
*Rattus* spp.  
*R. rattus*  
all from mangrove areas of Thailand
- Laurentella roluis*  
Harinasuta, C.; Guptavanij, P.; and Vasuvat, C., 1974, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 5 (1), 105-127  
*Rattus* spp.: mangrove areas of Thailand
- Lavoimyobia hughesi* Paran, 1966  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Radfordia bachai* Howell & Elzinga, 1962
- Lawrenceocarpus Dusbabek & Cruz*, 1966  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
key
- Lawrenceocarpus Dusbabek & Cruz*, 1966  
McDaniel, B., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (2), 15-32  
key
- Lawrenceocarpus jamaicensis* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Mormoops blainvillei*: Oxford Cave, Jamaica
- Lawrenceocarpus lobus* n. sp., illus.  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
*Carollia perspicillata azteca*: 1 km. N., 2.5 km. W. Villa Somoza, Chontales, Nicaragua
- Lawrenceocarpus micronycteris* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Micronycteris nicefori*: Aranville, Trinidad
- Lawrenceocarpus phyllostomus* new species, illus.  
McDaniel, B., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (2), 15-32  
*Phyllostomus elongatus*: T.F. Amazonas, Tamatama, Rio Orinoco, Venezuela  
*Micronycteris hirsuta*: Rio Mavaca, 108 km SSE Esmeralda, Venezuela
- Lawrenceocarpus planirostris* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Mormoops megaphylla*: Point Gourd Cave, Trinidad
- Leeuwenhoekia Oudemans* 1911  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Leeuwenhoekia* (Comatacarus): Wharton et al., 1951  
Reed, J. T., 1973, *J. Med. Entom.*, v. 10 (3), 315-317  
as syn. of *Comatacarus* Ewing, 1942
- Leeuwenhoekia* (Comatacarus) *dolosa* Gould, 1956  
Reed, J. T., 1973, *J. Med. Entom.*, v. 10 (3), 315-317  
as syn. of *Comatacarus dolosus* [n. comb.]
- Leeuwenhoekia dolosa* Gould  
Rust, R. W., 1973, *J. Med. Entom.*, v. 10 (2), 169-175  
ectoparasitic mites of *Thomomys bottae*, mite age structure, seasonal fluctuations, effect of host macro- and microenvironment on host specificity  
*Thomomys bottae*: Davis, California
- Leeuwenhoekia* (Comatacarus) *stewarti* Gould, 1956  
Reed, J. T., 1973, *J. Med. Entom.*, v. 10 (3), 315-317  
as syn. of *Comatacarus stewarti* [n. comb.]



## Leeuwenhoeikiinae Womersley 1944

Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
Trombiculidae  
key; key to genera

## Leiognathus bacoti Hirst, 1913

Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, Florida Entom., v. 59 (1), 89-92  
as syn. of Ornithonyssus bacoti (Hirst)

## Leiognathus bursa Berlese, 1888

Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, Florida Entom., v. 59 (1), 89-92  
as syn. of Ornithonyssus bursa (Berlese, 1888)

## Leiognathus sylviarum Canestrini, 1884

Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, Florida Entom., v. 59 (1), 89-92  
as syn. of Ornithonyssus sylviarum (Canestrini and Fanzago)

## Lemurphthirus galagus Bedford, 1927

Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 425-455  
Galago senegalensis: Dahomey

## Lepeophtheirus bifidus Fraser

Ho, J.-S., 1975, Fish Bull. (165), State Calif., Resources Agency, Dept. Fish and Game, 69-72  
Hypsopsetta guttulata  
Paralichthys californicus  
all from Anaheim Bay

## Lepeophtheirus lagocephali sp. nov., illus.

Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
Lagocephalus inermis (body surface): Vizhingom

## Lepeophtheirus longipalpus Bassett-Smith, 1898

Pillai, N. K., 1963, J. Marine Biol. Ass. India, v. 5 (1), 68-96  
description, syn.: Indocaligus echinus  
Pillai, 1961  
Pseudarius jatus (opercle): Trivandrum

## Lepeophtheirus pectoralis (Muller), illus.

Boxshall, G. A., 1977, J. Fish Biol., v. 10 (4), 411-415  
Lepeophtheirus pectoralis in Platicthys flesus (pectoral fins), pathology: Sandsend Bay, Yorkshire

## Lepeophtheirus salmonis

Brandal, P. O.; and Egidius, E., 1977, Aquaculture, v. 10 (2), 177-178  
Lepeophtheirus salmonis, Atlantic salmon, neguvon orally with feed, effective dose traced in muscles

## Lepeophtheirus salmonis Kroyeri, 1838, illus.

Brandal, P. O.; Egidius, E.; and Romslo, I., 1976, Norwegian J. Zool., v. 24 (4), 341-343  
Lepeophtheirus salmonis from Salmo salar, qualitative demonstration of host blood in parasite digestive tract

## Lepeophtheirus salmonis Kroyer

Johannessen, A.; Brandal, P. O.; and Egidius, E., 1976, Norwegian J. Zool., v. 24 (4), 467  
[Abstract]  
brief description of life cycle and pathology  
Salmo salar (body surface): Norway

## Lepikentron Keler, 1938

Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of Bovicola Ewing, 1929

## Lepikentron Keler, 1938

Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: L. ovis (Schrank, 1781)

## Leporacarus gibbus

Shepherd, R. C. H.; et al., 1977, J. Austral. Entom., v. 16 (1), 1-5  
Lepus europaeus: Meringur, Mallee; Point Cook, central Victoria

## Leporacarus gibbus (Pagenstecher)

Shepherd, R. C. H.; and Edmonds, J. W., 1977, J. Austral. Entom. Soc., v. 16 (3), 237-244  
Leporacarus gibbus, Cheyletiella parasitivorax, and Haemodipsus ventricosus on Oryctolagus cuniculus, infestation rates, seasonal variation, sex ratios of Leporacarus gibbus, age and sex of host: Victoria

## Lepronyssoides markewitschi Vshivkov, 1965

Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan

## Leptinus testaceus

Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
Apodemus sylvaticus: Isle of Man

## Leptocyclopodia cheirogaster Maa, 1966

Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Chironax melanocephalus  
Penthetor lucasi  
all from Brinchang, Cameron Highlands

- Leptocyclopodia ferrarii* (Rondani, 1878)  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Syn.: *Nycteribia ferrarii* Rondani, 1878  
*Chironax melanocephalus*: Gunong Benom, Cameron Highlands, Pahang  
*Cynopterus brachyotis*: Perak, Selangor
- Leptocyclopodia obliqua* (Theodor, 1959)  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Syn.: *Cyclopodia* (*Leptocyclopodia*) *obliqua* Theodor, 1959  
*Chironax melanocephalus*: Gunong Benom, Pahang, Kepong
- Leptolichus* sp.  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Collocalia esculenta*: New Hebrides
- Leptopsylla* Jordan and Rothschild, 1911  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Leptopsylla* Jordan and Rothschild  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key
- Leptopsylla aethiopica nakuruensis*  
Ashford, R. W.; et al., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (4), 568-601  
*Praomys albipes*: Kutaber area, Ethiopia
- Leptopsylla aethiopica nakuruensis* Smit, 1951  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
*Praomys* sp.: Cherangani Hills, Kenya
- Leptopsylla nana*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus nivalis*: Armenia
- Leptopsylla* (*Leptopsylla*) *nana* Arg.  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Leptopsylla popovi*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*: Armenia
- Leptopsylla segnis*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*: Armenia
- Leptopsylla segnis* (Schoenherr) 1816  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Leptopsylla segnis* (Schoenherr, 1811), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, syn.: *Leptopsylla* (*Leptopsylla*) *segnis* (Schoenherr, 1811)  
kangaroo: New South Wales  
*Phascogale minima*: Tasmania  
*Sminthopsis crassicaudata*: South Australia; Victoria  
*Epimys rattus*: Tasmania  
*Rattus rattus*: Tasmania; Victoria  
*R. assimilis*: Victoria  
*R. fuscipes assimilis*: Victoria  
*R. f. greyi*: Victoria  
bush rat: Queensland  
*Rattus lutreolus*: Tasmania; Victoria  
*R. l. velutinus*: Tasmania  
native rat: "  
*Rattus norvegicus*: New South Wales  
*Mus decumanus*: Tasmania  
rat: New South Wales; Queensland; Victoria  
*Mus musculus*: New South Wales; Queensland; Tasmania; Victoria  
mouse: New South Wales; Queensland; Victoria
- Leptopsylla* (*Leptopsylla*) *segnis* (Schoenherr, 1811)  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Leptopsylla segnis* (Schoenherr, 1811)
- Leptopsylla segnis* (Schon.)  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
*Apodemus tauricus*  
*A. agrarius*  
all from Gory Sowie
- Leptopsylla segnis*, illus.  
Kunitskaia, N. T.; and Prokop'ev, V. N., 1976, Entom. Obozr., v. 55 (4), 800-807  
fleas, number of egg tubes
- Leptopsylla segnis*  
Ozsán, K.; et al., 1974, Mikrobiyol. Bul., v. 8 (3), 267-269  
*Rattus rattus*: Turkey
- Leptopsylla segnis* (Schoenherr), illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
description  
*Rattus norvegicus*: Houston, Montgomery and Pike counties, Alabama
- Leptopsylla segnis*  
Spieker, J. O.; and Yuill, T. M., 1976, J. Wildlife Dis., v. 12 (3), 310-314  
*Sylvilagus floridanus*: Nevin Fish Hatchery grounds, Fitchburg, Wisconsin

- Leptopsylla taschenbergi*  
 Avetisian, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
 fleas, seasonal and geographic distribution  
*Microtus socialis*  
*M. nivalis*  
*Arvicola terrestris*  
 all from Armenia
- Leptopsyllidae*  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 diagnosis
- Leptopsyllidae* Baker, 1905  
 Lewis, R. E., 1974, J. Med. Entom., v. 11 (5), 525-540  
*Ancistropsyllidae*, *Chimaeropsyllidae*, *Ischnopsyllidae*, *Leptopsyllidae*, and *Macropsyllidae*, geographic distribution and host preferences, list of genera and species
- Leptopsyllidae* Rothschild  
 Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
 brief description
- Leptotrombidium* Nagayo et al. 1916  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in the Western Hemisphere
- Leptotrombidium* sp. No. 50 (Sasa, 1956)  
 Takada, N., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 373-376  
 as syn. of *Leptotrombidium* (*Leptotrombidium*) *asanumai* n. sp.
- Leptotrombidium* sp.  
 Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Peromyscus maniculatus*: Fires Creek area, Nantahala Mountains, North Carolina
- Leptotrombidium* sp.  
 Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
 all from Indiana
- Leptotrombidium* (L.) *akamushi*  
 Dohany, A. L.; and Manikumar, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 106 [Demonstration]  
 trombiculid larvae, modification of ear-feeding technique for rearing using water to restrict movement of the chiggers and causing them to become attached more quickly
- Leptotrombidium* *akamushi*  
 Roberts, L. W.; et al., 1975, J. Med. Entom., v. 12 (3), 345-348  
 "Leptotrombidium (L.) *fletcheri* (= Malaysian *L. akamushi*)", distribution of Rickettsia tsutsugamushi in infected mites
- Leptotrombidium* (L.) *akamushi*  
 Roberts, L. W.; and Ram, S., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 271 [Demonstration]  
*Leptotrombidium akamushi*, microdissection technique to study scrub typhus disease cycle in the vector mite including screening of potential mite vectors for presence of rickettsial infection and comparative morphologic studies of internal organs of mites
- Leptotrombidium* (L.) *arenicola* Traub  
 Dohany, A. L.; and Manikumar, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 106 [Demonstration]  
 trombiculid larvae, modification of ear-feeding technique for rearing using water to restrict movement of the chiggers and causing them to become attached more quickly
- Leptotrombidium* (L.) *arenicola*  
 Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Rattus argentiventer*  
*R. r. diardii*  
*Suncus murinus*  
 all from Ancol, Jakarta, Indonesia
- Leptotrombidium* (L.) *arenicola*  
 Robinson, D. M.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 227-231  
*Leptotrombidium arenicola*, laboratory colony naturally infected with Rickettsia tsutsugamushi, no reproducible differences in Rickettsia virulence and antigenic properties over 7 generations
- Leptotrombidium* (*Trombiculindus*) *armatum* n. sp., *illus.*  
 Traub, R.; Nadchatram, M.; and Lakshana, P., 1968, J. Med. Entom., v. 5 (3), 363-374  
*Tupaia glis*: Chanthaburi Prov., Prier, Thailand  
*Rattus rattus*: Chon Buri, Thailand
- Leptotrombidium* (*Leptotrombidium*) *asanumai* n. sp., *illus.*  
 Takada, N., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 373-376  
 Syn.: *Leptotrombidium* sp. No. 50 (Sasa, 1956)  
*Microtus montebelli*: Japan (Aomori Pref.; Takanosu, Akita Pref.)  
*Rattus norvegicus*: Aomori Pref., Japan  
*Apodemus speciosus*: Aomori Pref., Japan
- Leptotrombidium* (*Trombiculindus*) *atractimorphe* n. sp., *illus.*  
 Traub, R.; Nadchatram, M.; and Lakshana, P., 1968, J. Med. Entom., v. 5 (3), 363-374  
*Rattus* sp.  
*Rattus rajah*  
 all from Loei Prov., Tha Li Dist., Tha Li, Ban Muang Khai, Thailand



- Leptotrombidium* (L.) *bodense* (Gunther)  
Dohany, A. L.; and Manikumar, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 106 [Demonstration]  
trombiculid larvae, modification of ear-feeding technique for rearing using water to restrict movement of the chiggers and causing them to become attached more quickly
- Leptotrombidium* (L.) *bodense* (Gunther)  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
*Rattus tiomanicus*  
*R. whiteheadi*  
*R. argentiventer*  
*R. muelleri*  
all from North Borneo
- Leptotrombidium* (L.) *bodense*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Rattus rattus diardii*: Ancol, Jakarta, Indonesia
- Leptotrombidium deliense*  
Bourgeois, A. L.; et al., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (4), 338-342  
*Leptotrombidium deliense* as vector of scrub typhus among Chinese military personnel in the Pescadores Islands of Taiwan
- Leptotrombidium deliense*  
Campbell, R. W.; and Domrow, R., 1974, Tr. Roy. Soc. Trop. Med. and Hyg., v. 68 (5), 397-402  
positively identified as vector of scrub typhus in Australia  
*Rattus leucopus*  
*Melomys lutillus*  
*M. cervinipes*  
*Uromys caudimaculatus*  
*Isodon macrourus*  
all from Australia
- Leptotrombidium* (L.) *deliense*  
Dohany, A. L.; and Manikumar, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 106 [Demonstration]  
trombiculid larvae, modification of ear-feeding technique for rearing using water to restrict movement of the chiggers and causing them to become attached more quickly
- Leptotrombidium* (L.) *deliense* (Walch)  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
*Leptotrombidium deliense*, scrub typhus vector, collected in large numbers during survey of west coast beaches  
*Rattus tiomanicus*  
*R. muelleri*  
*R. whiteheadi*  
*R. exulans*  
*R. argentiventer*  
*R. r. diardii*  
*R. rajah*  
*Callosciurus notatus*  
*Tupaia glis*  
all from North Borneo
- Leptotrombidium* (L.) *deliense* (Walch)  
Gentry, J. W.; Phang, O. W.; and Manikumar, C., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 214-216  
*Leptotrombidium deliense*, *L. fletcheri*, survival of mite foci in experimental area that prevented entry of host animals or migration of mites, effects of weather on findings of study: Malaysia
- Leptotrombidium* (L.) *deliense*  
Gentry, J. W.; Phang, O. W.; and Manikumar, C., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 217-220  
*Leptotrombidium deliense*, *L. fletcheri*, influence of rainfall on mite populations in forest and grassland habitats, larvae were more abundant during heavy rainfall and simulated rainfall maintained larval populations for longer periods during dry weather
- Leptotrombidium* (L.) *deliense*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Rattus rattus diardii*: Ancol, Jakarta, Indonesia
- Leptotrombidium deliensis*  
Harinasuta, C.; Guptavanij, P.; and Vasuvat, C., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 105-127  
*Rattus* spp.  
*R. rattus*  
*R. losea*  
all from mangrove areas of Thailand
- Leptotrombidium deliense*  
Muul, I.; Lim, B. L.; and Gan, E., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 80-84  
*Leptotrombidium deliense* (known vector of human scrub typhus) found infesting very few mammals in areas surveyed for evidence of scrub typhus antibodies  
*Rattus muelleri*  
*Tupaia tana*  
all from Sabah, Peninsular Malaysia
- Leptotrombidium* (L.) *deliense* (Walch)  
Roberts, L. W.; Muul, I.; and Robinson, D. M., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 207-213  
*Leptotrombidium deliense*, comparative determination of numbers of larvae on *Rattus argentiventer*, *R. tiomanicus* and *R. exulans* in two different habitats, effects of weather on chigger population, implication of chiggers as vector of scrub typhus in Peninsular Malaysia
- Leptotrombidium deliense*-group  
Traub, R.; et al., 1977, Proc. 15. Internat. Cong. Entom. (Washington, D.C., Aug. 19-27, 1976), 487-489  
*Leptotrombidium deliense*-group, ecology of chigger-borne rickettsiosis and murine typhus

*Leptotrombidium deliense* Walch

Van Peenen, P. F. D.; et al., 1976, J. Parasitol., v. 62 (4), 653-654

hyperendemic focus of scrub typhus, correlation of chigger (*Leptotrombidium deliense*) abundance with temperature rather than with rainfall

*Suncus murinus*

*Rattus norvegicus*

*R. rattus*

*Mus musculus*

all from Pescadores Islands, near Taiwan

*Leptotrombidium* (L.) *fletcheri* (Womersley and Heaslip)

Dohany, A. L.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 221-226

*Leptotrombidium fletcheri*, life history of Rickettsia-infected mites raised through 5 generations under ambient temperatures of Malaysia compared with a colony reared at 27 C

*Leptotrombidium* (L.) *fletcheri* (Womersley & Heaslip)

Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206

*Rattus tiomanicus*: North Borneo

*Leptotrombidium* (L.) *fletcheri* (Womersley and Heaslip)

Gentry, J. W.; Phang, O. W.; and Manikumar, C., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 214-216

*Leptotrombidium deliense*, L. *fletcheri*, survival of mite foci in experimental area that prevented entry of host animals or migration of mites, effects of weather on findings of study: Malaysia

*Leptotrombidium* (L.) *fletcheri*

Gentry, J. W.; Phang, O. W.; and Manikumar, C., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 217-220

*Leptotrombidium deliense*, L. *fletcheri*, influence of rainfall on mite populations in forest and grassland habitats, larvae were more abundant during heavy rainfall and simulated rainfall maintained larval populations for longer periods during dry weather

*Leptotrombidium* (*Leptotrombidium*) *fletcheri*

Roberts, L. W.; et al., 1975, J. Med. Entom., v. 12 (3), 345-348

"*Leptotrombidium* (L.) *fletcheri* (= Malaysian L. *akamushi*)", distribution of Rickettsia *tsutsugamushi* in infected mites

*Leptotrombidium* *fujii*

Kamimura, K.; et al., 1972, Eisei Dobutsu

(Japan. J. San. Zool.), v. 23 (2), 83-87

seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by *Leptotrombidium pallidum*

*Apodemus speciosus*

*Microtus montebelli*

all from Yamada, Toyama Prefecture, northern Honshu

*Leptotrombidium* (*Trombiculindus*) *gateri* Traub

& Nadchatram, 1967

Traub, R.; Nadchatram, M.; and Lakshana, P.,

1968, J. Med. Entom., v. 5 (3), 363-374

*Cannomys* sp.: Loei Prov., Dan Sai Dist., Na Phung, Ban Nong Wai, Thailand

*Leptotrombidium* (*Trombiculindus*) *hastata* (Gater, 1932)

Kundin, W. D.; Nadchatram, M.; and Keong, A.,

1972, J. Med. Entom., v. 9 (6), 558-559

Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities

*Leptotrombidium* (L.) *intermedium*

Nakata, K., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 27 (2), 189-194

trombiculid mites, seasonal fluctuations of larvae, difference of modes for attachment to rodents, incidence and number of species vary with vegetation types

*Clethrionomys rutilus mikado*

*C. rufocanus bedfordiae*

*Apodemus giliacus*

*A. argenteus*

*Rattus norvegicus*

all from Tonden, Sapporo, Japan

*Leptotrombidium* (L.) *keukenschrijveri* (Walch)

Dohany, A. L.; and Manikumar, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 106 [Demonstration]

trombiculid larvae, modification of ear-feeding technique for rearing using water to restrict movement of the chiggers and causing them to become attached more quickly

*Leptotrombidium* *kitasatoi*

Kamimura, K.; et al., 1972, Eisei Dobutsu

(Japan. J. San. Zool.), v. 23 (2), 83-87

seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by *Leptotrombidium pallidum*

*Apodemus speciosus*

*Microtus montebelli*

all from Yamada, Toyama Prefecture, northern Honshu

*Leptotrombidium* (*Trombiculindus*) *macrosphenum*

n. sp., illus.

Traub, R.; Nadchatram, M.; and Lakshana, P.,

1968, J. Med. Entom., v. 5 (3), 363-374

*Tupaia glis*

*Callosciurus maccllellandi*

all from Chanthaburi Prov., Priew, Thailand

*Leptotrombidium* *miyajimai*

Kamimura, K.; et al., 1972, Eisei Dobutsu

(Japan. J. San. Zool.), v. 23 (2), 83-87

seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by *Leptotrombidium pallidum*

*Apodemus speciosus*

*Microtus montebelli*

all from Yamada, Toyama Prefecture, northern Honshu

- Leptotrombidium miyazakii*  
Kamimura, K.; et al., 1972, Eisei Dobutsu (Japan. J. San. Zool.), v. 23 (2), 83-87  
seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by *Leptotrombidium pallidum*  
*Apodemus speciosus*  
*Microtus montebelli*  
all from Yamada, Toyama Prefecture, northern Honshu
- Leptotrombidium orientalis*  
Vasil'eva, I. S., 1977, Zool. Zhurnal, v. 56 (1), 162-163  
*Hirsutiella zachvatkini*, *Leptotrombidium orientalis*, laboratory rearing techniques, biology of free living stages
- Leptotrombidium pallidum*  
Kamimura, K.; et al., 1972, Eisei Dobutsu (Japan. J. San. Zool.), v. 23 (2), 83-87  
seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by *Leptotrombidium pallidum*  
*Apodemus speciosus*  
*Microtus montebelli*  
all from Yamada, Toyama Prefecture, northern Honshu
- Leptotrombidium (Trombiculindus) paniculatum* n. sp., illus.  
Traub, R.; Nadchatram, M.; and Lakshana, P., 1968, J. Med. Entom., v. 5 (3), 363-374  
*Menetes berdmorei*: Kanchanaburi Prov., Trakhanum, Hinlaem, Thailand  
*Rattus rajah*: Loei Prov., Tha Li Dist., Tha Li, Ban Muang Khai, Thailand  
*Tupaia glis*: Khonkhaen Prov., Chum Phae, Pa Dong Lam, Thailand
- Leptotrombidium pavlovskyi* Schluger  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, Zool. Zhurnal, v. 55 (8), 1157-1162  
*Clethrionomys rufocanus*: Priamurie
- Leptotrombidium russica* Oudemans, 1902  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Leptotrombidium (L.) scutellare*  
Dohany, A. L.; and Manikumar, C., 1971, Southeast Asian J. Trop. Med. and Pub. Health, v. 2 (1), 106 [Demonstration]  
trombiculid larvae, modification of ear-feeding technique for rearing using water to restrict movement of the chiggers and causing them to become attached more quickly
- Leptotrombidium (Trombiculindus) sibynatum* n. sp., illus.  
Traub, R.; Nadchatram, M.; and Lakshana, P., 1968, J. Med. Entom., v. 5 (3), 363-374  
*Bandicota bengalensis*: Nakhon Nayok Prov., Nakhon Nayok, Thailand
- Leptotrombidium (Leptotrombidium) sinhgarghense*, n. sp., illus.  
Kulkarni, S. M., 1973, J. Med. Entom., v. 10 (5), 519-523  
*Rattus rattus rufescens*: Atkarwadi near Sinhgargh, Poona, India  
*R. r. satarae*: Nighudgarh, Bhor, Poona, India  
*Suncus murinus*: Atkarwadi near Sinhgargh and Lonavla, Poona, India  
*Millardia* sp.: Sinhgargh, Poona, India
- Leptotrombidium (Trombiculindus) thurmani* n. sp., illus.  
Traub, R.; Nadchatram, M.; and Lakshana, P., 1968, J. Med. Entom., v. 5 (3), 363-374  
field rat: Chaiyaphum Prov., Phukhieo, Ban Lat, Thailand
- Lernaea*  
Gerard, J. P., 1976, Bull. Franc. Piscicult. (262), 1-4  
masoten treatment of fish parasites, toxicity
- Lernaea* sp.  
Heckmann, R.; and Farley, D. G., 1973, J. Wildlife Dis., v. 9 (3), 221-224  
*Hesperoleucus symmetricus symmetricus* (body surface near pectoral fins): foothill streams east of Fresno, California
- Lernaea bagri*  
Heckmann, R.; and Farley, D. G., 1973, J. Wildlife Dis., v. 9 (3), 221-224  
*Hesperoleucus symmetricus symmetricus* (body surface near pectoral fins): foothill streams east of Fresno, California
- Lernaea cyprinacea* Linn.  
Amin, O. M.; Balsano, J. S.; and Pfalzgraf, K. A., 1973, Am. Midland Naturalist, v. 89 (2), 484-487  
*Catostomus commersoni* (head, tail, body sides, dorsal and ventral aspects)  
*Lepomis cyanellus* (head, tail, body sides, dorsal and ventral aspects)  
*L. macrochirus*  
*Micropterus salmoides*  
*Cyprinus carpio*  
*Notemigonus crysoleucas*  
*Semotilus atromaculatus*  
*S. margarita* (head, tail, body sides, dorsal and ventral aspects)  
*Etheostoma nigrum*  
*Umbra limi* (head, body sides, dorsal and ventral aspects)  
all from Root River, southeastern Wisconsin
- Lernaea cyprinacea* Linnaeus  
Cloutman, D. G., 1976, Southwest Nat., v. 21 (1), 67-70  
*Camptostoma anomalum pullum* (embedded in muscle through skin): White River, Arkansas
- Lernaea cyprinacea* Linnaeus, 1758  
Ejsymont, L., 1970, Acta Parasitol. Polon., v. 17 (20-38), 195-201  
*Lota l. lota* (gills): Poland



- Lernaea cyprinacea* L.  
Fryer, G., 1968, J. Nat. Hist., v. 2 (4), 531-533  
Carassius auratus  
Cyprinus carpio  
Idus idus  
Rutilus rutilus  
all from Britain
- Lernaea cyprinacea*  
Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, Southwest. Nat., v. 22 (4), 525-535  
Ictalurus punctatus  
Pomoxis annularis  
Lepomis macrochirus  
all from Eagle Mountain Lake, Texas
- Lernaea cyprinacea* Linnaeus, 1761  
Hensley, G. H.; and Nahhas, F. M., 1975, Calif. Fish and Game, v. 61 (4), 201-208  
Ictalurus catus  
Mylopharodon conocephalus  
Orthodon microlepidotus  
Pogonichthys macrolepidotus  
Ptychocheilus grandis  
all from Sacramento-San Joaquin Delta, California
- Lernaea cyprinacea*, ill.  
Khalifa, K. A.; and Post, G., 1976, Progr. Fish Cult., v. 38 (2), 110-113  
*Lernaea cyprinacea*-infected Pimephales promelas, Notemigonus crysoleucas, Lepomis cyanellus, and Catostomus commersoni (all exper.), histopathology at various sites of penetration
- Lernaea cyprinacea* Linne, 1758, ill.  
Simon Vicente, F.; Ramajo Martin, V.; and Encinas Grandes, A., 1973, Rev. Iber. Parasitol., v. 33 (4), 633-647  
description  
Barbus barbus bocagei (base de la aleta pelviana izquierda): Rio Tormes, Almenara (Salamanca)  
Carassius carassius (cercanas a la linea lateral): Rio Esla (Zamora)
- Lernaea cyprinacea*  
Whitaker, J. O., jr.; and Schlueter, R. A., 1975, Am. Midland Naturalist, v. 93 (2), 446-450  
incidence at different seasons and on different-sized fish, fins and fin bases most frequently used regions for attachment  
Lepomis gulosus  
Lepomis humilis  
Ictiobus bubalus  
Aplodinotus grunniens  
Lepomis macrochirus  
Etheostoma asprigene  
Phenacobius mirabilis  
Lepomis cyanellus  
Lepomis megalotis  
Fundulus notatus  
Pimephales vigilax  
Lepomis hybrids (probably *L. macrochirus* x *L. megalotis*)  
Micropterus punctulatus  
Notropis blennius  
Carpiodes sp.  
Notropis whipplei  
Notropis atherinoides  
Notropis spilopterus  
Hybognathus nuchalis  
all from the White River at Petersburg, Indiana
- Lernaea cyprinacea* Linnaeus, 1761  
White, G. E., 1974, Tr. Am. Micr. Soc., v. 93 (2), Apr., 280-282  
Catostomus commersoni: Kentucky River drainage system
- Lernaea cyprinacea*, ill.  
Wissmath, P., 1975, Fisch u. Umwelt (1), 127-134  
parasitic Crustacea of freshwater fish, descriptions, life cycles, pathology, control, review: Germany
- Lernaea dolabrodes* Wilson, ill.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
- Lernaea esocina* Burmeister, 1833, ill.  
Simon Vicente, F.; Ramajo Martin, V.; and Encinas Grandes, A., 1973, Rev. Iber. Parasitol., v. 33 (4), 633-647  
description  
Rutilus arcasi (base de la aleta dorsal): Rio Huebra, San Munoz (Salamanca)
- Lernaea esocina*  
Wissmath, P., 1975, Fisch u. Umwelt (1), 127-134  
parasitic Crustacea of freshwater fish, descriptions, life cycles, pathology, control, review: Germany
- Lernaea phoxinacea*  
Wissmath, P., 1975, Fisch u. Umwelt (1), 127-134  
parasitic Crustacea of freshwater fish, descriptions, life cycles, pathology, control, review: Germany
- Lernaea piscinae*  
Heckmann, R.; and Farley, D. G., 1973, J. Wildlife Dis., v. 9 (3), 221-224  
Hesperoleucus symmetricus symmetricus (body surface near pectoral fins): foothill streams east of Fresno, California
- Lernaea tenuis*  
Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, Southwest. Nat., v. 22 (4), 525-535  
Aplodinotus grunniens (dorsal fin): Eagle Mountain Lake, Texas
- Lernaeenicus anchoviellae* n. sp., ill.  
Sebastian, M. J.; and George, K. C., [1965], J. Marine Biol. Ass. India, v. 6 (2), 235-240  
description of three post-larval stages  
Anchoviella bataviensis: Attankarai, Palk Bay, south-east coast of India
- Lernaeenicus hemirhamphi*  
John, S. E.; Suryanarayanan, H.; and Nair, N. B., 1977, J. Animal Morph. and Physiol., v. 24 (1), 42-46  
*Lernaeenicus hemirhamphi*, biochemical composition  
Hemirhamphus xanthopterus: Trivandrum coast, India

- Lernaeenicus longiventris*  
 Rawson, M. V., jr., 1977, J. Fish Biol., v. 10 (5), 441-451  
 crustacean parasites of *Mugil cephalus*, prevalence and intensity of infection, seasonal abundance, distribution on yearlings indicates a high degree of habitat subdivision on gill arches: Sapelo Island, Georgia
- Lernaeocera branchialis* L. 1767, illus.  
 Kohler, H. J., 1976, Zool. Jahrb., Jena, Abt. Anat., v. 95 (4), 448-504  
*Lernaeocera branchialis*, egg, embryonic stages, metanauplius, copepodit I development  
*Gadus morhua*: Helgoland
- Lernaeocera branchialis*  
 Moeller, H., 1976, J. Marine Biol. Ass. United Kingdom, v. 56 (3), 781-785  
*Platichthys flesus*: Kiel Fjord (western Baltic Sea)
- Lernaeocera branchialis*  
 Templeman, W.; Hodder, V. M.; and Fleming, A. M., 1976, J. Fish. Research Bd. Canada, v. 33 (4), part 1, 711-731  
*Lernaeocera branchialis*, seasonal distribution; localization of immature stages on lumpfish, adults on cod; adult infection rates on cod higher inshore than offshore, marker for host migrations; cod sexual maturity delayed by infection  
*Cyclopterus lumpus* (gills): Newfoundland and neighboring areas  
*Gadus morhua* (branchial arches): Newfoundland and neighboring areas  
*G. ogac* (gills): Newfoundland and neighboring areas  
*Hippoglossoides platessoides* (branchial arches): White Bay, Newfoundland
- Lernaeolophus sultanus* (Nordmann), illus.  
 Natarajan, P.; and Nair, N. B., 1977, Current Sc., Bangalore, v. 46 (3), 93-94 [Letter]  
*Priacanthus hamrur* (attached to operculum in branchial cavity): Indian waters
- Lernaeopoda scyllicola*, illus.  
 Russo, R. A., 1975, Calif. Fish and Game, v. 61 (4), 228-232  
*Triakis semifasciata*  
*Raja binoculata*  
*Scyllium*  
 (head region of all): all from California
- Lernanthropus shishidoi* Shiino, 1955, illus.  
 Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
*Mugil cephalus* (gills): Quilon, Kerala, South India
- Lice, Body. See [*Pediculus humanus*].
- Lice  
 Binns, C. W., 1976, Papua N. Guinea Med. J., v. 19 (2), 105-107  
 paraquat applied to beard and scalp by native New Guinean as cure for lice resulted in severe toxic reaction and death, case history: Papua New Guinea
- Lice  
 Chamberlain, W. F., 1975, J. Med. Entom., v. 12 (4), 395-400  
 insect growth regulators for control of insects of medical and veterinary importance
- Lice  
 Cummins, L. J., 1977, Austral. Vet. J., v. 53 (8), 406-407 [Letter]  
 famphur applied to cattle during mating season for lice control, no effect on cow fertility
- Lice  
 Dorsz, E., 1970, Polski Tygod. Lekar., v. 25 (5), 188-190  
 human lice and pediculosis, historical review of clinical care in the 16th-18th centuries in Poland
- Lice (undetermined species)  
 Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Rattus argentiventer*  
*R. exulans*  
*R. norvegicus*  
*R. r. diardii*  
*Suncus murinus*  
 all from Ancol, Jakarta, Indonesia
- Lice  
 van der Heide, R. M., 1971, Nederl. Tijdschr. Geneesk., v. 115 (14), 607-608  
 relapsing fever in West-African native, evidence that infection had been transmitted by lice: Netherlands
- Lice  
 Machel, M.; and Krynski, S., 1976, Ztschr. Ang. Zool., v. 63 (3), 299-305  
 lice maintained in laboratory since 1918, constant conditions for 30 years, comparison with 30 years earlier: larval stage shortened, temperature range for development reduced, body weight and amount of blood taken increased
- Lichomolgium* Kossmann, 1877  
 Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
 key
- Lichothuria* n. gen.  
 Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
*Lichomolgidae*  
 key; tod: *Lichothuria mandibularis* n. sp.
- Lichothuria mandibularis* n. sp. (tod), illus.  
 Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
*Halodeima atra*: lagoon near the Coral Beach Hotel, Eilat (Israel)

- Linguatula multiannulata* von Haffner, Sachs and Rack, 1967, illus.  
Sachs, R.; Rack, G.; and Woodford, M. H., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 401-409  
  *Connochaetes taurinus*: Tanzania  
  *Damaliscus korrigum*: Tanzania  
  *Alcelaphus buselaphus*: Tanzania; Kenya  
  *Gazella thomsonii*: Tanzania  
  *Rhynchotragus kirkii*: Tanzania  
  *Syncerus caffer*: Tanzania; Uganda; Kenya  
  *Bos taurus*: Tanzania  
  *Gazella granti*: Kenya  
  *Tragelaphus scriptus*: Uganda
- Linguatula nuttalli*  
Young, E., 1975, J. South African Vet. Ass., v. 46 (4), 335-336  
  pathology  
  *Panthera leo* (nasal passages): Kruger National Park
- Linguatula serrata* Froelich 1789  
Babero, B. B.; and Cattani, P. E., 1975, Bol. Chileno Parasitol., v. 30 (3-4), 68-76  
  *Octodon degus* (pulmones): Quebrada de la Plata, Santiago, Chile
- Linguatula serrata* Frolich, 1779, illus.  
Basson, P. A.; et al., 1970, Onderstepoort J. Vet. Research, v. 37 (1), 11-28  
  parasitic and other diseases of *Syncerus caffer*, some pathological findings, age of host  
  *Syncerus caffer* (hepatic veins, right heart chambers, pulmonary artery, beneath Glisson's capsule, livers): Kruger National Park
- Linguatula serrata* Frohlich, 1789, illus.  
Ibanez, N., 1969, Bol. Chileno Parasitol., v. 24 (3-4), 160-162  
  *Felis domesticus* (pulmones): Cajamarca, Peru
- Linguatula serrata*  
Khalil, G. M., 1976, J. Parasitol., v. 62 (1), 126  
  prevalence, *Bos taurus*, *Camelus dromedarius* (visceral lymph nodes), potential health hazard to humans: Cairo abattoir
- Linguatula serrata*, illus.  
Young, E., 1975, J. South African Vet. Ass., v. 46 (4), 335-336  
  pathology  
  *Panthera leo*: Kruger National Park  
  *Syncerus caffer* (cardiovascular system, liver, lymph nodes): Kruger National Park  
  *Aepyceros melampus* (exper.)  
  domestic ox (exper.)
- Linguatula serrata* var. *serengetiana*, illus.  
Sachs, R.; Rack, G.; and Woodford, M. H., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 401-409  
  *Connochaetes taurinus*: Tanzania  
  *Gazella thomsonii*: Tanzania; Kenya  
  *Syncerus caffer*: Tanzania; Kenya  
  *Papia anubis*: Kenya
- Linognathus* Enderlein, 1905  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
  lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *L. (L.) oviformis* (Rudow, 1869); *L. (L.) ovillus* (Neumann, 1907); *L. (L.) pedalis* (Osborn, 1896); *L. (L.) setosus* (von Olfers, 1816); *L. (L.) stenopsis* (Burmeister, 1838); *L. (L.) vituli* (Linnaeus, 1758)
- Linognathus africanus* (Kellogg and Paine)  
Brunetti, O.; and Cribbs, H., 1971, Calif. Fish and Game, v. 57 (3), 162-166  
  *Linognathus africanus*, deer deaths due to massive infestation: California  
  *Odocoileus hemionus californicus*: Ventura and Kern Counties  
  *O. h. columbianus*: Monterey and Yolo Counties
- Linognathus armatus*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 195-198  
  *Antidorcas marsupialis*: Mountain Zebra National Park near Cradock, Cape Province
- Linognathus bedfordi*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 195-198  
  *Antidorcas marsupialis*: Mountain Zebra National Park near Cradock, Cape Province
- Linognathus euchore*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 195-198  
  *Antidorcas marsupialis*: Mountain Zebra National Park near Cradock, Cape Province
- Linognathus reduncae*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
  *Redunca fulvorufula*: Mountain Zebra National Park
- Linognathus stenopsis*  
Misra, S. C., 1974, Indian J. Animal Research v. 8 (2), 87-88  
  goats, Ectopar, highly effective
- Linognathus stenopsis* Burmeister  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
  seasonal distribution  
  *Capra hircus* (body): Hissar and suburbs, India
- Linognathus vituli*  
Cummins, L. J.; and Tweedle, N. E., 1977, Austral. Vet. J., v. 53 (12), 591-592  
  *Linognathus vituli*, cattle, light infestations, lice control with famphur and levamisole had no influence on host growth: western Victoria



- Linognathus vituli* Linn., illus.  
Kumar, P.; and Somadder, K., 1976, Indian J. Entom., v. 36 (4), 1974, 355-358  
Haematopinus suis, Pediculus humanus, and *Linognathus vituli*, hatching organ, description and mechanism
- Linognathus vituli*  
Misra, S. C., 1974, Indian J. Animal Research v. 8 (2), 87-88  
cow calves, Ectopar, highly effective
- Linognathus vituli*  
Neuhauser, H., 1974, Vet. Med. Rev. (4), 348-361  
cattle lice, Tiguvon Spot-on, compared with Tiguvon Pour-on: Australia
- Linognathus vituli*  
Ober, C.; Diaz, L.; and Valenzuela, G., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 99-102  
*Bos taurus*: Chile
- Linognathus vituli*  
Oormazdi, H.; and Baker, K.P., 1977, Vet. Parasitol., v. 3 (1), 85-88  
cattle, added benefit of national warble fly eradication scheme (annual dressing with pour-on organophosphorus compounds) is considerable reduction in pediculosis: Northern Ireland compared with Republic of Ireland
- Linognathus vituli* Linnaeus  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Bos indicus* (groin): Hissar and suburbs, India
- Linognathus vulpis* Werneck  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
*Vulpes vulpes*: Iran
- Liotheum conspurcatum* Nitzsch, 1818  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
as syn. of *Trinoton anserinum* (Fabricius, 1805)
- Lipeurus Nitzsch*, 1818, pro parte  
Tendeiro, J., 1977, Rev. Zool. Africaine, v. 91 (3), 704-712  
as syn. of *Turturicola* Th. Clay et Meinertzhagen, 1937
- Lipeurus Nitzsch*, 1818  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *L. caponis caponis* (Linnaeus, 1758); *L. numidae* (Denny, 1842); *L. pavo* Clay, 1938
- Lipeurus antennatus* Giebel, 1874  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Columbicola columbae* (Linne, 1758)
- Lipeurus caponis* (L)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Gallus gallus*: New Hebrides
- Lipeurus caponis* (Linne, 1758), illus.  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy  
*Gallus domesticus*: Spain
- Lipeurus caponis*  
Misra, S. C., 1974, Indian J. Animal Research v. 8 (2), 87-88  
fowls, Ectopar, highly effective
- Lipeurus caponis* (Linne), illus.  
Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, Mysore J. Agric. Sc., v. 9 (4), 670-688  
morphology of mouth parts, compared with *Lipeurus tropicalis*
- Lipeurus caponis*  
Torres, P.; et al., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 115-117  
*Gallus gallus domesticus*: Chile
- Lipeurus heterographus*  
Misra, S. C., 1974, Indian J. Animal Research v. 8 (2), 87-88  
fowls, Ectopar, highly effective
- Lipeurus ibis* Le Souef & Bullen, 1922  
Tandan, B. K., 1976, System. Entom., v. 1 (1), 75-87  
as syn. of *Ardeicola ibis* (Le Souef & Bullen)
- Lipeurus maculosus* Clay 1938, illus.  
Marconcini, A.; and Macchioni, G., 1975, Ann. Fac. Med. Vet. Pisa, v. 27, 1974, 101-112  
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- Liponyssoides* sp.  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (1), 113-114  
*Rattus rattus diardii*  
*Suncus murinus*  
all from Jakarta, Indonesia
- Liponyssoides* sp.  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Rattus rattus diardii*  
*Suncus murinus*  
all from Ancol, Jakarta, Indonesia

- Liponyssus americanus* Banks 1906  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Ornithonyssus sylviarum* (Canestrini & Fanzago, 1877)
- Liponyssus bacoti*  
Kershaw, W. E.; and Storey, D. M., 1976, Ann.  
Trop. Med. and Parasitol., v. 70 (3), 303-312  
*Litomosoides carinii* infection in cotton  
rats, comparison of 5 methods of calculating  
number of infective larvae transmitted to  
hosts by *Liponyssus bacoti* vectors, relation-  
ship between transmission intensities and  
worms recovered, role of heavy infections in  
vectors
- Liponyssus bacoti*  
Siddiqui, M. A.; and Kershaw, W. E., 1975, Tr.  
Roy. Soc. Trop. Med. and Hyg., v. 69 (1), 19-20  
[Demonstration]  
*Litomosoides carinii*, experimental laboratory  
trials show Delhi white rats to be poor hosts  
and un-irradiated and irradiated golden  
hamsters highly susceptible hosts when quan-  
titative infections were established using  
*Liponyssus bacoti* in transmission
- Liponyssus bursa* Hirst, 1916  
Phillis, W. A.; Cromroy, H. L.; and Denmark,  
H. A., 1976, Florida Entom., v. 59 (1), 89-  
92  
as syn. of *Ornithonyssus bursa* (Berlese,  
1888)
- Liponyssus pacificus* Ewing, 1923  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Ornithonyssus sylviarum* (Canes-  
trini & Fanzago, 1877)
- Liponyssus setiger* Ewing, 1920  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Androlaelaps fahrenheitsi* (Berlese,  
1911)
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1942, illus.  
Mogi, M., 1977, Eisei Dobutsu (Japan. J. San.  
Zool.), v. 28 (4), 449-450  
Cervus nippon: Japanese Alps, Honshu, Japan
- Lipoptena doszhanovi* Grunin, sp. n., illus.  
Grunin, K. Ia.; and Doszhanov, T. N., 1974,  
Entom. Obozr., v. 53 (4), 925-928  
Passer hispaniolensis: Chokpak pass,  
Karatau range, Chimkent region, Kazakhstan
- Lipoptena indica* Rao, Hiregoudar and Alwar  
1964  
Hiregoudar, L. S., 1976, Indian Vet. J.,  
v. 53 (3), 237  
*Boselaphus tragocamelus* (external surface  
of body)  
*Axis axis* (external surface of body)  
all from Gir forest, Gujarat State, India
- Lipoptena sepiacea*  
Young, E.; et al., 1973, Research J. National  
Parks Republic South Africa (16), 77-81  
Connochaetes gnou: Mountain Zebra National  
Park
- Lipoptena sikae* sp. nov., illus.  
Mogi, M., 1975, Kontyu, v. 43 (3), 387-392  
Cervus nippon nippon: Honshu, Japan (Nara  
Park, Nara Pref.; Kinkazan, Miyagi Pref.)
- Liroaspididae* Traegardh  
Athias-Henriot, C., 1977, J. Austral. Entom.  
Soc., v. 16 (3), 225-235  
synonymy
- Liroaspis* Banks  
Athias-Henriot, C., 1977, J. Austral. Entom.  
Soc., v. 16 (3), 225-235  
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- Listrophorid* mites, illus.  
Gwahaba, J. J., 1975, J. East Africa Nat.  
Hist. Soc. and National Mus. (153), 1-14  
Corvus albus (in between barbs of remiges,  
near rachis): Kampala, Uganda
- Listrophoridae* [sp.]  
Hadi, T. R.; et al., 1976, Southeast Asian J.  
Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Rattus argentiventer*  
*Suncus murinus*  
all from Ancol, Jakarta, Indonesia
- Listrophoridia* sp.  
Sandhu, P. S.; and Kapoor, V. C., 1977, Entom.  
News, v. 88 (5-6), 151-152  
*Millardia meltada*  
*Mus booduga*  
all from Punjab, India
- Listrophoroides* (*Listrophoroides*) *alticola* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Rattus alticola*: Mont Kinabalu, N. Borneo
- Listrophoroides* (*Listrophoroides*) *ancophallus*  
sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Rattus rajah*: Cocoa Quoin Hill Estate, N.  
Borneo
- Listrophoroides* (*Listrophoroides*) *bifidus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Rattus rajah*: Chong Mek, Ubol, Thailand
- Listrophoroides* (*Listrophoroides*) *birmanicus*  
sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Rattus surifer*: Tenasserim, Birmanie
- Listrophoroides* (*Listrophoroides*) *cocoensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Rattus rajah*: near Cocoa Research station,  
Tawan, N. Borneo
- Listrophoroides cucullatus* (Trouessart)  
Goff, M. L., 1975, J. Med. Entom., v. 12 (1),  
52-54  
Syn.: *Listrophoroides expansus* Ferris  
*Rattus rattus*: Midway Islands

- Listrophoroides* (*Listrophoroides*) *dominator* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus dominator: Menado, Nord Celebes
- Listrophoroides* (*Listrophoroides*) *eudrilus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus surifer: Perak
- Listrophoroides* *expansus* Ferris  
Goff, M. L., 1975, J. Med. Entom., v. 12 (1), 52-54  
as syn. of *Listrophoroides cucullatus* (Trouessart)
- Listrophoroides* (*Listrophoroides*) *hemistriatus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus surifer: Tenasserim, Birmanie
- Listrophoroides* (*Listrophoroides*) *hongkongensis* ssp. *cremoriventer* ssp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus cremoriventer: Bukit Besar, Malaya
- Listrophoroides* (*Listrophoroides*) *infraluteus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus infraluteus: Mont Kinabalu
- Listrophoroides* (*Listrophoroides*) *iphiophallus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus rajah: Cocoa Quoin Hill Estate, N. Borneo
- Listrophoroides* (*Listrophoroides*) *kinabaluensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus w. whiteheadi: Mt. Kinabalu, Sahah, Nord Borneo
- Listrophoroides* (*Listrophoroides*) *longiventris* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus sp.: Ban Tenang, 18 KM N. W. Xiang Khouang, Laos
- Listrophoroides* (*Listrophoroides*) *orbitalis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Leggadilla fernandoni: Ceylan (now Sri Lanka)
- Listrophoroides* (*Listrophoroides*) *palawanensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus rajah: Ile Palawan, Philippines
- Listrophoroides* (*Marquesania*) *postsquamatus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus everetti: Leyte Tambis, Mt. Lobi Ranje, Philippines
- Listrophoroides* (*Listrophoroides*) *pseudolongi-ventris* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus sp.
- Listrophoroides* (*Listrophoroides*) *toxophallus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Rattus rajah: Songkhla Muang, Khao Rup Shang, Thailand
- Listrophoroides* (*Listrophoroides*) *vietnamensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Hylomys: Fyan, Vietnam
- Listrophorus* *gibbus*, *illus*.  
Flatt, R. E.; and Wiemers, J., 1976, Lab. Animal Sc., v. 26 (5), 758-761  
Cheyletiella parasitivorax, *Listrophorus gibbus*, domestic rabbits, prevalence: commercial rabbitries, Iowa
- Listrophorus* *gibbus*  
Kutzer, E.; and Frey, H., 1976, Berl. u. Mun-chen. Tierarztl. Wchnschr., v. 89 (24), 480-483  
Lepus europaeus: Austria
- Listrophorus* *kingstownensis* Fain et Hyland sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-cains, v. 87 (2), 330-332  
Ondatra zibethica: Nth. Kingstown, Rhode Island, U.S.A.
- Listrophorus* *leuckarti*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
Microtus ochrogaster ochrogaster: Coles County, Illinois
- Listrophorus* *leuckarti*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
Microtus ochrogaster  
Peromyscus leucopus  
all from Warren County, Kentucky
- Listrophorus* *mexicanus*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
Clethrionomys gapperi: Fires Creek area, Nantahala Mountains, North Carolina
- Listrophorus* *neotomae* Fain et Hyland sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-cains, v. 87 (2), 330-332  
Neotoma micropus: Nueces, Texas, U.S.A.
- Listropsylla* *dolosa* Rothschild, 1907  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine, v. 89 (1), 191-210  
Praomys sp.: Cherangani Hills, Kenya



- Lironeca* [i.e.?, *Livoneca*] *convexa* Richardson, 1905  
 Brusca, R. C., 1977, Bull. South. Calif. Acad. Sc., v. 76 (2), 128-131  
*Cymothoidae*, range extensions, some host records questionable, host criteria: eastern Pacific Ocean  
*Trachinotus* sp.: Bahia Juanico, west coast of Baja California Norte, Mexico  
 [no host]: Santa Catalina Island, California
- Livoneca* *cumulus* Haller, 1880  
 Trilles, J. P.; and Vala, J. C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
 as syn. of *Agarna cumulus* (Haller, 1880) Richardson, 1911
- (?) *Livoneca* *motasi* Vasiliu et Carausu, 1948  
 Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
 as syn. of *Anilocra physodes* (L., 1758)
- Livoneca* *ovalis* (Say, 1818)  
 Beacham, B. E.; and Haley, A. J., 1976, Proc. Helminth. Soc. Washington, v. 43 (2), 232-233  
*Morone americana* (gills): Chesapeake Bay
- Lironeca* [i.e.?, *Livoneca*] *ovalis* Say  
 Lindsay, J. A.; and Moran, R. L., 1976, Tr. Am. Fish. Soc., v. 105 (2), 327-332  
*Lironeca ovalis*, *Oleocira praegustator*, incidence, attachment, various fish species  
*Bairdiella chrysura*  
*Pomatomus saltatrix*  
*Morone americana*  
*Cynoscion regalis*  
*Morone saxatilis*  
*Leiostomus xanthurus*  
*Dorosoma cepedianum*  
 (gill cavities of all): all from Delaware River Estuary
- Lironeca* [i.e.?, *Livoneca*] *panamensis* Schioedte & Meinert, 1884  
 Brusca, R. C., 1977, Bull. South. Calif. Acad. Sc., v. 76 (2), 128-131  
*Cymothoidae*, range extensions, some host records questionable, host criteria: eastern Pacific Ocean  
 [no host]: Gulf of California; west coast of Baja California; delta of Colorado River; Bahia San Quintin, Baja California Norte
- Lironeca* [i.e.?, *Livoneca*] *vulgaris* (Stimpson)  
 Ho, J. S., 1975, Fish Bull. (165), State Calif., Resources Agency, Dept. Fish and Game, 69-72  
*Paralichthys californicus*: Anaheim Bay
- Lobatinae* subfam. n.  
 Casto, S. D., 1977, Southwest. Nat., v. 22 (2), 169-175  
*Syringophilidae*  
 includes: *Cuculiphilus* gen. n.
- Loomisia* Brennan and Reed 1972  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in the Western Hemisphere
- Loomisia* sp. near *univari* Brennan  
 Dooley, T. J.; Bristol, J. R.; and Canaris, A. G., 1976, J. Mamm., v. 57 (1), 189-191  
*Pipistrellus hesperus maximus*: southwestern United States
- Lophioglyphus japonensis* sp. nov., illus.  
 Lukoschus, F. S.; Kroos, A.; and Uchikawa, K., 1977, Bull. National Sc. Mus., Tokyo, s. A, Zool., v. 3 (1), 9-17  
*Apodemus speciosus* (hair follicles of tail): Hakuba Village, Nagano Prefecture, Japan; Kong Yang, China
- Lucilia* *bufonivora* Moniez, 1876, illus.  
 Adamiak, W., 1975, Przegl. Zool., v. 19 (3), 326-329  
*Rana esculenta*: Masuria near Węgorzewo, Poland; Poznan, Poland  
*Bufo bufo*: near Stargard Szczecinski in Pomerania, Poland
- Lucilia* *caesar* (L.)  
 Brinkmann, A., jr., 1976, Norwegian J. Zool., v. 24 (4), 325-330  
*Lucilia caesar* and *L. illustris* probable cause of sheep myiasis, *L. caesar* acts as primary striker and *L. illustris* as secondary striker: Norway
- Lucilia* *caesar* (L.)  
 Dvorakova, L.; et al., 1974, Veterinarstvi, v. 24 (3), 117-118  
 sheep, case report, myiasis
- Lucilia* *cuprina*  
 Hall, C. A., 1977, Vet. Rec., v. 101 (24), 486-487  
*Lucilia cuprina*, sheep, reducing fleece moisture content to control cutaneous myiasis, field trials: New South Wales
- Lucilia* *cuprina*  
 Misra, S. C.; Mohapatra, G. S.; and Sahoo, B., 1976, Food Farm. and Agric., v. 7 (10), 39-41  
 prevalence of infestation  
 cattle (muscular tissues of body): Orissa
- Lucilia* *cuprina*  
 Watts, J. E.; et al., 1976, Austral. Vet. J., v. 52 (10), 488-489 [Letter]  
 fly strike, sheep: south-eastern Australia
- Lucilia* *eximia*  
 Murray, V. I. E.; and Thompson, K., 1976, Trop. Agric., Trinidad, B. W. I., v. 53 (3), 263-266  
 wound myiasis, incidence, various animals: Trinidad and Tobago
- Lucilia* *illustris* (Meig.)  
 Brinkmann, A., jr., 1976, Norwegian J. Zool., v. 24 (4), 325-330  
*Lucilia caesar* and *L. illustris* probable cause of sheep myiasis, *L. caesar* acts as primary striker and *L. illustris* as secondary striker: Norway

- Lucilia rica*  
Murray, V. I. E.; and Thompson, K., 1976,  
Trop. Agric., Trinidad, B. W. I., v. 53 (3),  
263-266  
wound myiasis, incidence, various animals:  
Trinidad and Tobago
- Lucilia sericata* (Meigen)  
Leeuwenhoek, van der Linden, M. E., 1976,  
Tijdschr. Diergeneesk., v. 101 (8), 431  
myiasis, case report, *Oryctolagus cuniculus*  
(tail): laboratory, University of Amsterdam
- Lucilia sericata*  
Ribbeck, R.; Schumann, H.; and Bergmann, V.,  
1975, Monatsh. Vet.-Med., v. 30 (15), 584-587  
*Lucilia sericata*, *Calliphora vicina*, C.  
vomitoria, cause of myiasis of guinea pigs  
in animal test center, pathological studies
- Lucilia sericata*  
Tenquist, J. D.; and Wright, D. F., 1976, N.  
Zealand J. Exper. Agric., v. 4 (3), 291-295  
blowfly strike in sheep, distribution, prev-  
alence, economic importance, preferred meth-  
ods of treatment: New Zealand
- Lucilia sericata*  
Watts, J. E.; et al., 1976, Austral. Vet. J.,  
v. 52 (10), 488-489 [Letter]  
fly strike, sheep: south-eastern Australia
- Lycopsylla Rothschild*, 1904  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Lycopsylla lasiorhini* Mardon and Dunnet, 1971,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis
- Lycopsylla nova* Rothschild, 1904, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
*Phascolomys mitchelli*: Australian Capital  
Territory, New South Wales  
*P. ursinus*: Tasmania  
*Vombatus hirsutus*: Victoria  
*Phascolomys* sp.: Tasmania  
wombat: New South Wales
- Lyneon gastroides* (Cummings), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigh-  
am Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
synonymy, key  
*Choloepus didactylus*: Venezuela
- Lynxacarus grandior* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Rattus infraluteus*: Mont Kinabalu, Borneo
- Lynxacarus nearcticus* Fain et Hyland sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
cains, v. 87 (2), 330-332  
vison: Patuxent Refuge, Maryland, U.S.A.
- Lynxacarus palawanensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
*Tupaia palawanensis*: Balabac, Everett
- Lynxacarus radovskyi* n. sp., illus.  
Tenorio, J. M., 1974, J. Med. Entom., v. 11  
(5), 599-604  
*Felis catus*: Hawaiian Islands (Kipu Ranch,  
Kauai; Kaneohe, Oahu)
- Lynxacarus radovskyi* Tenorio, 1974  
Fox, I., 1977, Proc. Entom. Soc. Wash., v. 79  
(2), 242-244  
as syn. of *Felistrophorus radovskyi* (Tenorio)  
[n. comb.]
- Lyperosia exigua* (de Meijere)  
Pont, A. C., 1973, Austral. J. Zool., Suppl.  
s. (21), 129-296  
as syn. of *Haematobia irritans exigua* de  
Meijere

- Mackiena sugiharai  
Kamimura, K.; et al., 1972, Eisei Dobutsu  
(Japan. J. San. Zool.), v. 23 (2), 83-87  
Trogodytes troglodytes: Yamada, Toyama  
Prefecture, northern Honshu
- Macrocheles sp. A  
Reisen, W. K.; Kennedy, M. L.; and Reisen,  
N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
winter ecology of ectoparasites collected  
from hibernating Myotis velifer (incidence,  
intensity, monthly changes, parasite and host  
sex ratio, interspecific associations, para-  
site age structure, etc.)  
Myotis velifer: Harmon County, southwestern  
Oklahoma
- Macrocheles sp.  
Whitaker, J. O., jr.; Spicka, E. J.; and  
Schmeltz, L. L., 1976, Proc. Indiana Acad.  
Sci., v. 85, 1975, 431-436  
Sciurus carolinensis: Indiana
- Macrocheles decoloratus  
Eross, J.; and Mahunka, S., 1971, Parasitol.  
Hungar., v. 4, 201-213  
+Apodemus silvaticus (nest)  
+Microtus arvalis (nest)  
all from Hungary
- Macrocheles matrius (Hull.)  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
Lagurus lagurus: Karagandinsk oblast
- Macrocheles merdarius  
Eross, J.; and Mahunka, S., 1971, Parasitol.  
Hungar., v. 4, 201-213  
+Ciconia ciconia (nest): Hungary
- Macrocheles plumiventris  
Eross, J.; and Mahunka, S., 1971, Parasitol.  
Hungar., v. 4, 201-213  
+Ciconia ciconia (nest): Hungary
- Macrogyropus Ewing, 1924  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
synonymy
- Macrogyropus amplexans amplexans (Neumann),  
illus.  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
key, syn.: Gyropus amplexans Neumann, 1912  
Venezuela
- Macrogyropus amplexans longisetis Werneck, 1948,  
illus.  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
key  
Myoprocra pratti: Venezuela
- Macrogyropus costalimai (Werneck), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
synonymy, key  
Agouti paca: Venezuela
- Macrogyropus dentatus Ewing, 1924  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of Macrogyropus dicotylis (Macalister)
- Macrogyropus dicotylis (Macalister), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
synonymy, key  
Tayassu tajacu  
T. pecari  
all from Venezuela
- Macrogyropus mexicanus Zavaleta, 1946  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of Gyropus ovalis Burmeister, 1838
- Macrolaelaps Ewing, 1929  
Okereke, T. A., 1973, J. Med. Entom., v. 10  
(2), 117-123  
as syn. of subgenus Echinolaelaps Ewing,  
1929
- Macrolaelaps giganteus: Fonseca, 1938-39  
Okereke, T. A., 1973, J. Med. Entom., v. 10  
(2), 117-123  
as syn. of Laelaps (Echinolaelaps) gigantea  
Berlese, 1918
- Macrolaelaps muricola: Fonseca, 1938-39  
Okereke, T. A., 1973, J. Med. Entom., v. 10  
(2), 117-123  
as syn. of Laelaps (Echinolaelaps) muricola  
Tragardh, 1910
- Macronyssid protonymphs  
Whitaker, J. O., jr.; and Mumford, R. E.,  
1977, Entom. News, v. 88 (9-10), 255-258  
Myotis ruber  
Molossus molossus  
all from Minas Gerais, Brazil
- Macronyssus sp.  
Howell, F. G.; and Chapman, B. R., 1976,  
Southwest. Nat., v. 21 (3), 275-280  
Myotis velifer occupying cliff swallow nest:  
northwestern Texas
- Macronyssus sp. A. Radovsky, 1967  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of Macronyssus jonesi (White, 1966)
- Macronyssus bacoti Buitendijk, 1945  
Phillis, W. A.; Cromroy, H. L.; and Denmark,  
H. A., 1976, Florida Entom., v. 59 (1), 89-  
92  
as syn. of Ornithonyssus bacoti (Hirst)



- Macronyssus consortis* sp. nov., illus.  
Petrova, A. D.; and Taskaeva, E. Z., 1975, Biul. Moskov. Obsh. Ispyt. Prir., Otdel Biol., v. 80 (5), 58-64  
Laio: Kun'min, Yun'nan province (south-eastern Chinese People's Republic)
- Macronyssus crosbyi* (Ewing & Stover)  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*  
*Plecotus townsendii*  
*Pipistrellus subflavus*  
all from Harmon County, southwestern Oklahoma
- Macronyssus crosbyi*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Myotis velifer*: Big Bend National Park, Texas
- Macronyssus crosbyi* (Ewing & Stover, 1915)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Macronyssus heteromorphus* n. sp., illus.  
Dusbabek, F.; and Radovsky, F. J., 1972, J. Med. Entom., v. 9 (6), 575-579  
*Rattus norvegicus*: Shikotan Island, Kuril Islands
- Macronyssus jonesi* (White, 1966)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Macronyssus longisetosus*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Plecotus townsendii*: Big Bend National Park, Texas
- Macronyssus unidens* Rad., illus.  
Petrova, A. D.; and Taskaeva, E. Z., 1975, Biul. Moskov. Obsh. Ispyt. Prir., Otdel Biol., v. 80 (5), 58-64
- Macronyssus unidens* Radovsky  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*  
*Plecotus townsendii*  
*Pipistrellus subflavus*  
all from Harmon County, southwestern Oklahoma
- Macropsylla Rothschild*, 1905  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Macropsylla hercules* Rothschild, 1905, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
*Antechinus swainsonii*: Tasmania; Victoria  
*Rattus rattus*: New South Wales; Tasmania; Victoria  
*R. assimilis*: New South Wales; Victoria  
*R. fuscipes assimilis*: Victoria  
*R. greyi*: South Australia  
*R. fuscipes greyi*: South Australia; Victoria  
*R. fuscipes*: Victoria  
*R. lutreolus*: Tasmania; Victoria  
*R. l. velutinus*: Tasmania  
*rat*: New South Wales  
*Mastomys fuscus*: New South Wales; Tasmania; Victoria  
*Gyomys fumeus*: Victoria  
*Hydromys chrysogaster*: Tasmania
- Macropsyllidae  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis
- Macropsyllidae Oudemans, 1909  
Lewis, R. E., 1974, J. Med. Entom., v. 11 (5), 525-540  
Ancistropsyllidae, Chimaeropsyllidae, Ischnopsyllidae, Leptopsyllidae, and Macropsyllidae, geographic distribution and host preferences, list of genera and species
- Malacopsyllidae Baker, 1898  
Lewis, R. E., 1973, J. Med. Entom., v. 10 (3), 255-260  
Rhopalopsyllidae, Malacopsyllidae, Vermipsyllidae, world-wide distribution by zoogeographical regions, host preferences; list of genera and species
- Malaraeus sp.  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
*Neotoma cinerea*  
*Peromyscus crinitus*  
all from Lava Beds National Monument, California
- Malaraeus arvicolae Ioff  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
*Pitymys subterraneus*: Gory Sowie
- Malaraeus arvicolae Ioff  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
*Apodemus flavicollis*  
*Micromys minutus pratensis*  
*Pitymys subterraneus*  
all from Sopron and environments, west Hungary
- Malaraeus bitterrootensis  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
*Neotoma cinerea*: Lava Beds National Monument, California

- Malaraeus euphorbi*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Microtus longicaudus latus*  
all from western Utah
- Malaraeus euphorbi* (Rothschild)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Peromyscus maniculatus*: west of Rio Grande in and near Jemez Mts., New Mexico
- Malaraeus penicilliger*  
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, Entom. Scand., v. 4 (4), 302-322  
castration and intersexuality due to hyperparasitism by nematodes: Stora Sjöfallet National Park, Sweden; Straumsnes, Norway
- Malaraeus penicilliger* (Grube) 1852  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Malaraeus penicilliger* (Grube)  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
*Microtus agrestis*  
*M. arvalis*  
*Pitymys subterraneus*  
all from Gory Sowie
- Malaraeus penicilliger kratochvili* Rosicky  
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, Entom. Scand., v. 4 (4), 302-322  
castration and intersexuality due to hyperparasitism by nematodes: Czechoslovakia
- Malaraeus penicilliger mustelae* (Dale, 1878)  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-257  
*Vulpes vulpes*: Norge
- Malaraeus penicilliger mustelae*  
Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain
- Malaraeus sinomus*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
*Microtus longicaudus latus*  
*Neotoma lepida lepida*  
all from western Utah
- Malaraeus sinomus* (Jordan), illus.  
Haas, G. E., 1973, Am. Midland Naturalist, v. 90 (1), 246-252  
morphological variations: New Mexico
- Malaraeus sinomus* (Jordan)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Peromyscus maniculatus*  
*P. leucopus*  
*P. boylii*  
*P. truei*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Malaraeus sinomus*  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
*Peromyscus crinitus*: Lava Beds National Monument, California
- Malaraeus telchinus*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Dipodomys heermanni*  
*Reithrodontomys megalotis*  
*Peromyscus californicus*  
*P. maniculatus*  
*P. truei*  
*Neotoma fuscipes*  
*Microtus californicus*  
all from Fort Ord, California
- Malaraeus telchinus*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Microtus longicaudus latus*  
all from western Utah
- Malaraeus telchinus* (Rothschild), illus.  
Haas, G. E., 1973, Am. Midland Naturalist, v. 90 (1), 246-252  
morphological variations: New Mexico
- Malaraeus telchinus* (Rothschild)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
+*Tamiasciurus hudsonicus* (nest)  
*Reithrodontomys megalotis*  
*Peromyscus maniculatus*  
*P. boylii*  
*P. truei*  
*Neotoma mexicana*  
+*N. cinerea* (nest)  
*Clethrionomys gapperi*  
*Microtus montanus*  
*M. longicaudus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico

- Malaraeus telchinus*  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
*Peromyscus crinitus*: Lava Beds National Monument, California
- Malaraeus vonfintelis* Prince  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Neotoma mexicana*  
+*N. cinerea* (nest)  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Mallophaga**  
Derylo, A., 1975, Przegl. Zool., v. 19 (2), 181-187  
Mallophaga, intensity of invasion as related to ecology and host physiology, review
- Mallophaga**  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key to Mallophaga of Venezuelan mammals
- Mallophaga**  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
key to suborders, includes: Amblycera; Rhynchophthirina; Ischnocera
- Mallophaga**  
Keirans, J. E., 1975, J. Med. Entom., v. 12 (1), 71-76  
review of the phoretic relationship between Mallophaga and Hippoboscidae
- Mallophaga**  
Keirans, J. E., 1975, J. Med. Entom., v. 12 (4), 476  
records of phoretic attachment of Mallophaga on insects other than Hippoboscidae
- Mallophaga**  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
Mallophaga, checklist: Midway Atoll, Pacific Ocean
- Mallophaga**  
Zlotoryzcka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe
- Mallophaga** sp.  
Bishop, C. A.; and Threlfall, W., 1974, Proc. Helminth. Soc. Washington, v. 41 (1), 25-35  
*Somateria mollissima*: insular Newfoundland and/or southern Labrador
- Mallophaga** [sp.], illus.  
Gwahaba, J. J., 1975, J. East Africa Nat. Hist. Soc. and National Mus. (153), 1-14  
*Corvus albus*: Kampala, Uganda
- Margaropus annulatus australis* Hooker, Bishopp, and Wood, 1912  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Boophilus microplus* (Canestrini, 1887)
- Margaropus micropla* Neumann, 1911  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Boophilus microplus* (Canestrini, 1887)
- Margaropus winthemi*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
*Equus zebra zebra*: Mountain Zebra National Park
- Marsupialichus* Fain, 1967  
de Cock, A. W. A. M.; et al., 1975, J. Med. Entom., v. 12 (1), 55-57  
new definition
- Marsupialichus johnstoni* Fain, 1969  
Pence, D. B., 1973, J. Med. Entom., v. 10 (4), 329-332  
*Dasyus novemcinctus* (external auditory meatus of ear): St. John the Baptist Parish, Louisiana
- Marsupialichus marmosae* n. sp., illus.  
de Cock, A. W. A. M.; et al., 1975, J. Med. Entom., v. 12 (1), 55-57  
*Marmosa robinsoni isthmica*: Panama Canal Zone
- Marsupialichus marsupialis* Fain, de Cock & Lukoschus, 1972, illus.  
Pence, D. B., 1973, J. Med. Entom., v. 10 (4), 329-332  
description  
*Didelphis virginiana* (base of hairs near surface of skin): Pumpkin Center, Tangipahoa Parish, Louisiana
- Mastigolaelaps Tenorio* and Radovsky, 1973  
Domrow, R., 1976, Oriental Insects, v. 10 (2), 173-177  
as syn. of *Laelaps* Koch, 1836
- Mastigolaelaps*, new subgenus  
Tenorio, J. A. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (4), 385-391  
subgenus of *Laelaps*, key to species of subgen., tod: *Laelaps* (*Mastigolaelaps*) *juxta-*  
*posita* n. sp.
- Medesicaste penetrans* Heller, illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
*Trigla* (buccal cavity): Trivandrum, South India
- Megabothris abantis*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Microtus longicaudus latus*  
all from western Utah



- Megabothris abantis* Rothschild  
Egoscue, H. J., 1977, Great Basin Nat., v. 37 (1), 75-76  
Zapus princeps: southeastern Oregon
- Megabothris abantis* (Rothschild)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Spermophilus lateralis*  
*Peromyscus maniculatus*  
*Neotoma mexicana*  
*Clethrionomys gapperi*  
*Microtus montanus*  
*M. longicaudus*  
*Mustela frenata*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Megabothris acerbus* (Jordan)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Tamias striatus*: Parkside, Wisconsin
- Megabothris acerbus* (Jordan), illus.  
Amin, O. M.; and Sewell, R. G., 1977, Am. Midland Nat., v. 98 (1), 207-212  
Orchopeas h. howardii, *Megabothris acerbus*, numerical and structural variations of pronotal spines; field sex ratios of both flea species were closely related to the ratio of mean number of pronotal spines in females/males which supports proposed function of pronotal combs in locking onto host hairs and their suggested contribution in affecting sex ratio
- Megabothris clantoni* ssp.  
Egoscue, H. J., 1977, Great Basin Nat., v. 37 (1), 75-76  
*Lagurus curtatus*: southeastern Oregon
- Megabothris clantoni* Hubbard  
O'Farrell, T. P., 1975, Am. Midland Naturalist, v. 93 (2), 377-387  
*Lagurus curtatus*  
*Eutamias minimus*  
all from Arid Lands Ecology Reserve, Benton County, Washington
- Megabothris clantoni princei* Hubbard  
Egoscue, H. J., 1977, Great Basin Nat., v. 37 (1), 75-76  
*Spilogale putorius gracilis*  
*Lagurus curtatus intermedius*  
all from Tooele County, Utah
- Megabothris rectangulatus* (Wahlgren)  
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, Entom. Scand., v. 4 (4), 302-322  
castration and intersexuality due to hyperparasitism by nematodes: Stora Sjöfallet National Park, Sweden; Straumsnes, Norway
- Megabothris rectangulatus*  
Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain
- Megabothris turbidus* (Rothschild 1909)  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus flavicollis*  
*A. sylvaticus*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
*M. agrestis*  
*Mustela erminea*  
*M. nivalis*  
*M. putorius*  
all from Schleswig-Holstein
- Megabothris turbidus* (Rothschild 1909)  
Beaucournu, J. C., 1976, Ann. Soc. Entom. France, n. s., v. 12 (2), 199-213  
Ceratophyllidae of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France
- Megabothris turbidus* (R.)  
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, Entom. Scand., v. 4 (4), 302-322  
castration and intersexuality due to hyperparasitism by nematodes: Czechoslovakia
- Megabothris turbidus* (Rothschild) 1909  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Megabothris turbidus* (Roths.)  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
*Clethrionomys glareolus*  
*Apodemus tauricus*  
*A. agrarius*  
*A. sylvaticus*  
*Microtus agrestis*  
*M. arvalis*  
*Sorex araneus*  
all from Gory Sowie
- Megabothris turbidus* (Rothschild)  
Hallas, T. E.; and Bang, P., 1976, Flora og Fauna, København, v. 82 (1), 11-18  
seasonal distribution  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Apodemus agrarius*  
*Apodemus flavicollis*  
all from eastern Denmark
- Megabothris turbidus* Rothschild  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
*Apodemus flavicollis*  
*Clethrionomys glareolus*  
*Micromys minutus pratensis*  
*Pitymys subterraneus*  
all from Sopron and environments, west Hungary
- Megabothris turbidus*  
Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain

- Megabothris walkeri* (Rothschild 1902)  
 Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
 ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus flavicollis*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
*M. agrestis*  
*Mustela erminea*  
*M. nivalis*  
 all from Schleswig-Holstein
- Megabothris walkeri* (Rothschild, 1902)  
 Beaucournu, J. C., 1976, Ann. Soc. Entom. France, n. s., v. 12 (2), 199-213  
 Ceratophyllidae of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France
- Megabothris walkeri* (Rothschild)  
 Hallas, T. E.; and Bang, P., 1976, Flora og Fauna, København, v. 82 (1), 11-18  
 seasonal distribution  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Apodemus flavicollis*  
 all from eastern Denmark
- Megabothris walkeri*  
 Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
 straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain
- Meganarion Keler, 1938  
 Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 as syn. of *Cebidicola* Bedford, 1936
- Megarhoglossus* sp.  
 Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
 fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
*Microtus longicaudus latius*  
*Neotoma lepida lepida*  
 all from western Utah
- Megarhoglossus* sp.  
 Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
*Neotoma cinerea*: Lava Beds National Monument, California
- Megarhoglossus bisetis* Jordan & Rothschild  
 Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
 fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Ochotona princeps*  
*Sylvilagus nuttallii*  
 \**Tamiasciurus hudsonicus*  
*Peromyscus truei*  
*Neotoma albigula*
- Megarhoglossus bisetis* Jordan & Rothschild.-- Continued.  
 Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
*Neotoma mexicana*  
*Microtus longicaudus*  
 all from west of Rio Grande in and near Jemez Mts., New Mexico
- Megarhoglossus cavernicolus* Mendez & Haas  
 Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
 fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Neotoma cinerea*: west of Rio Grande in and near Jemez Mts., New Mexico
- Megarhoglossus divisus divisus* (Baker)  
 Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
 fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Peromyscus truei*: west of Rio Grande in and near Jemez Mts., New Mexico
- Megarhoglossus divisus divisus* (Baker)  
 Wilson, N.; and Bull, E. L., 1977, Bird-Banding, v. 48 (2), 171-173  
 \*squirrel (nest): Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Megarhoglossus procus*  
 Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
 fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*: western Utah
- Megarhoglossus smiti*  
 Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
 fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Neotoma lepida lepida*  
 all from western Utah
- Megaselia scalaris* (Loew), illus.  
 Tumrasvin, W.; Sucharit, S.; and Vutikes, S., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 74-76  
*Megaselia scalaris*, life cycle, public health importance as cause of myiasis in humans: Thailand
- Megistopoda proxima*  
 Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Sturnira lilium*: Minas Gerais, Brazil
- Megnina* sp.  
 Torres, P.; et al., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 115-117  
*Gallus gallus domesticus*: Chile

- Megninia beaucournui* Cerny, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
Perdix perdix: Moldavian SSR
- Megninia columbae*  
Gothe, R.; and Imhoff, N., 1975, *Berl. u. Munchen. Tierarztl. Wchnschr.*, v. 88 (22), 431-436  
arthropods, incidence in carrier pigeons, variation with host age: Germany
- Megninia cubitalis* (Megnin, 1877), illus.  
do Amaral, V.; et al, 1975, *Biologico*, S. Paulo, v. 41 (8), 238-239  
*Gallus gallus domesticus*: Maranguape, Ceara, Brazil
- Megninia ginglymura* (Megnin, 1877), illus.  
do Amaral, V.; et al, 1975, *Biologico*, S. Paulo, v. 41 (8), 238-239  
*Gallus gallus domesticus*: Maranguape, Ceara, Brazil
- Megninia schumiloae* Cerny, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Tetrastes bonasia*: Chernovtzy oblast, Ukrainian SSR
- Meinertia gaudichaudi*  
Szidat, L., 1965, *An. 2. Cong. Latino-Am. Zool.*, v. 2, 83-87  
Cymothoidae, evolution of secondary sexual dimorphism, various types of life cycles; particular studies of *Meinertia gaudichaudi* in *Trachurus* sp. (cavidad bucal): costas chilenas
- Meinertia oestroides*  
Romestand, B.; Janicot, M.; and Trilles, J. P., 1977, *Ann. Parasitol.*, v. 52 (2), 171-180  
tissue alterations and defense reactions in fish parasitized by Cymothoidae  
Boops boops (paroi linguale): Herault, France
- Meinertia oestroides* (Risso, 1826)  
Romestand, B.; and Trilles, J. P., 1976, *Ztschr. Parasitenk.*, v. 50 (1), 87-92  
*Meinertia oestroides*, anticlotting factor in cephalothoracic latero-oesophageal glands, action and chemical nature studied, antithrombinic factor similar to heparin; enzymatic activities of latero-oesophageal glands and hepatopancreas  
Boops boops: Sete (Herault-France)
- Melesodectes auricularis* Fain & Lukoschus, 1968, illus.  
Mehl, R., 1972, *Fauna*, Oslo, v. 25 (4), 265-274  
Meles meles: Norge
- Melophagus ovinus* (Linne)  
Iwuala, M. O. E.; and Onyeka, J. O. A., 1977, *Environment. Entom.*, v. 6 (1), 43-49  
survey of domestic fly population, distribution patterns, diurnal and seasonal variations: Nsukka, East Central State, Nigeria
- Melophagus ovinus*  
Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, *Bol. Chileno Parasitol.*, v. 29 (3-4), 99-102  
*Ovis aries*: Chile
- Melophagus ovinus*  
Patyk, S.; and Kliszewski, W., 1976, *Med. Wet.*, v. 32 (8), 471-473  
ectoparasites, domestic animals, control with enolophosphates IPO-62 and IPO-63
- Melophagus ovinus* (L.)  
Pfadt, R. E., 1976, *J. Econom. Entom.*, v. 69 (3), 313-316  
annual fluctuation of *Melophagus ovinus* population among lambs, yearlings, and older ewes (lowest ked numbers present in summer, highest numbers in late winter and early spring): foothills of southeastern Wyoming
- Melophagus ovinus* Linneo, 1761  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, *Rev. Iber. Parasitol.*, v. 33 (1), 29-38  
oveja: Alto Aragon
- Menacanthus* sp.  
Brown, N. S.; and Wilson, G. I., 1975, *Am. Midland Naturalist*, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Stockton-on-Tees, England
- Menacanthus annulatus* (Giebel)  
McGroarty, D. L.; and Dobson, R. C., 1974, *Am. Midland Naturalist*, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Menacanthus cornutus* Schom., 1913  
Gan, E. I.; and Shousmanov, Sh., 1976, *Uzbek. Biol. Zhurnal* (5), 54-56  
[*Gallus gallus*]: Kashka-Darya oblast
- Menacanthus stramineus*  
DeVaney, J. A., 1976, *Poultry Science*, v. 55 (1), 430-435  
*Menacanthus stramineus*, caged White Leghorn hens, decrease in hen weight, egg production, clutch size and feed consumption
- Menacanthus stramineus* (Nitzsch, 1818), illus.  
Martin, M. P., 1973, *Rev. Iber. Parasitol.*, v. 33 (2-3), 281-294  
synonymy, key  
*Gallus domesticus*  
*Meleagris gallopavo*  
all from Spain
- Menacanthus stramineus* (Nitzsch, 1818), illus.  
Martin, M. P., 1974, *Vie et Milieu*, s. C, *Biol. Terr.*, v. 24 (1), 151-158  
measurements of specimens from different hosts and different geographic localities
- Menacanthus stramineus* (Nitzsch), illus.  
Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, *Mysore J. Agric. Sc.*, v. 9 (4), 670-688  
morphology of mouth parts, compared with *Lipeurus tropicalis*



- Menacanthus stramineus* Eichler, 1940, illus.  
 Sanchez Acedo, C.; and Ramon Vericad, J.,  
 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38  
 Columba livia: Alto Aragon
- Menacanthus stramineus*  
 Torres, P.; et al., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 115-117  
 Gallus gallus domesticus: Chile
- Menacanthus elbeli* n. sp., illus.  
 Price, R. D., 1976, Proc. Entom. Soc. Wash., v. 78 (4), 447-450  
 Artamus fuscus: Chiangmai Sansai, Ban San Luang, Thailand; Khorat, Sikiu, Pakchong, Thailand; Chaityaphum, Dhu Khieo, Ban Kaeng, Ban Lat, Thailand; Lop Burl, Khao Oerawan Mt., Thailand  
 A. maximus: New Guinea
- Menacanthus mutabilis*  
 Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
 Sturnus vulgaris: South Bass Island, Ottawa County, Ohio
- Menacanthus nelsoni* n. sp., illus.  
 Price, R. D., 1976, Proc. Entom. Soc. Wash., v. 78 (4), 447-450  
 Artamus cyanopterus: Exeter, Tasmania; Dunedon, New South Wales
- Menacanthus numidae* (Giebel 1874), illus.  
 Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
 synonymy, key, redescription  
 Gallus domesticus  
 Grus grus  
 Aleoctoris rufa  
 all from Spain
- Menacanthus numidae* (Giebel, 1874), illus.  
 Martin, M. P., 1974, Vie et Milieu, s. C, Biol. Terr., v. 24 (1), 151-158  
 measurements
- Menacanthus pallidulus* (Neumann 1912), illus.  
 Marconcini, A.; and Macchioni, G., 1975, Ann. Fac. Med. Vet. Pisa, v. 27, 1974, 101-112  
 Phasianus colchicus: Tuscany
- Menacanthus pallidulus* (Neumann, 1912)  
 Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
 key  
 Gallus domesticus: Spain
- Menacanthus pallidulum* (Neuman, 1912), illus.  
 Martin, M. P., 1974, Vie et Milieu, s. C, Biol. Terr., v. 24 (1), 151-158  
 measurements
- Menacanthus persignatus*  
 Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
 Cyanocitta cristata: South Bass Island, Ottawa County, Ohio
- Menopon Nitzsch*, 1818  
 Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
 lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: M. gallinae (Linnaeus, 1758)
- Menopon extraneum* Galliard, 1934 (nec Piaget, 1880)  
 Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 as syn. of Trimenopon hispidum (Burmeister)
- Menopon gallinae*  
 Derylo, A., 1970, Acta Parasitol. Polon., v. 17 (20-38), 301-313  
 Eomenacanthus stramineus, Menopon gallinae, feeding on hens with fowl cholera, presence of cholera agent, Pasteurella multocida, on body surface and in gut and feces but not persisting in lice, possibility of transmission
- Menopon gallinae* (L)  
 Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
 arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
 Gallus gallus: New Hebrides
- Menopon gallinae* (Linne, 1758)  
 Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
 synonymy, key  
 Gallus domesticus: Spain
- Menopon gallinae* (Linne, 1758), illus.  
 Martin, M. P., 1974, Vie et Milieu, s. C, Biol. Terr., v. 24 (1), 151-158  
 measurements
- M[enopon] gallinae*  
 Misra, S. C., 1974, Indian J. Animal Research v. 8 (2), 87-88  
 fowls, Ectopar, highly effective
- Menopon gallinae*  
 Patyk, S.; and Kliszewski, W., 1976, Med. Wet., v. 32 (8), 471-473  
 ectoparasites, domestic animals, control with enolophosphates IPO-62 and IPO-63
- Menopon gallinae* (Linne), illus.  
 Rao, N. S. K.; Khuddus, C. A.; and Channa-Basavanna, G. P., 1975, Mysore J. Agric. Sc., v. 9 (4), 670-688  
 morphology of mouth parts, compared with Lipeurus tropicalis
- Menopon gallinae* Linnaeus  
 Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
 seasonal distribution  
 Gallus gallus (wings): Hissar and suburbs, India

- Menopon gallinae*  
Torres, P.; et al., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 115-117  
Gallus gallus domesticus: Chile
- Menopon giganteum* Denny, 1842  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
as syn. of *Hohorstiella gigantea* (Denny, 1842)
- Menopon incisum* Giebel, 1866  
Price, R. D.; and Emerson, K. C., 1977, J. Kansas Entom. Soc., v. 50 (2), 215-221  
as syn. of *Meromenopon incisum* (Giebel)
- Menopon jenningsi* Kellogg and Paine, 1910  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Trimenopon hispidum* (Burmeister)
- Menopon latum* Piaget, 1880  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
as syn. of *Hohorstiella gigantea* (Denny, 1842)
- Menopon numidae* Giebel, 1874  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
as syn. of *Menacanthus numidae* (Giebel 1874)
- Menopon pectinatum* Neumann, 1912  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
as syn. of *Ciconiphilus pectiniventris* (Harrison, 1916)
- Menopon spiniger* Enderlein, 1909  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Heterodoxus spiniger* (Enderlein)
- Menopon (Menacanthus) spinigerum* Neumann, 1912  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Heterodoxus spiniger* (Enderlein)
- Menopon ventrale* Nitzsch, 1866  
Scharf, W. C.; and Price, R. D., 1977, Ann. Entom. Soc. Am., v. 70 (5), 815-822  
as syn. of *Amyrsidea (A.) ventralis* (Nitzsch)
- Menopon virgo* Giebel, 1874  
Price, R. D.; and Emerson, K. C., 1977, J. Kansas Entom. Soc., v. 50 (2), 215-221  
as syn. of *Meromenopon incisum* (Giebel)
- Menoponidae*  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
Amblycera  
key
- Menoponidae*  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
key to species on domestic birds: Spain
- Meringis cummingi*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Perognathus californicus*  
*Dipodomys heermanni*  
*Peromyscus maniculatus*  
*Neotoma fuscipes*  
all from Fort Ord, California
- Meringis dipodomys*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
*Neotoma lepida lepida*  
all from western Utah
- Meringis hubbardi*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
all from western Utah
- Meringis jamesoni* Hubbard  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Perognathus flavus*: west of Rio Grande  
in and near Jemez Mts., New Mexico
- Meringis parkeri*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus crinitus pergracilis*: western Utah
- Meringis parkeri* Jordan  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Dipodomys ordii*  
*Peromyscus maniculatus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico

- Meringis shannoni* (Jordan)  
O'Farrell, T. P., 1975, Am. Midland Naturalist, v. 93 (2), 377-387  
*Perognathus parvus*  
*Peromyscus maniculatus*  
*Onychomys leucogaster*  
*Spermophilus townsendi*  
*Lagurus curtatus*  
all from Arid Lands Ecology Reserve, Benton County, Washington
- Meristaspis calcarata* (Hirst, 1923)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Pteropus tonganus*: New Hebrides
- Meromenopon* Clay & Meinertzhagen  
Price, R. D.; and Emerson, K. C., 1977, J. Kansas Entom. Soc., v. 50 (2), 215-221  
diagnosis, key to species
- Meromenopon brevicolle* (Piaget), illus.  
Price, R. D.; and Emerson, K. C., 1977, J. Kansas Entom. Soc., v. 50 (2), 215-221  
description, key  
*Eurystomus glaucurus*: Madagascar; Uganda  
*E. orientalis*: Malaya
- Meromenopon concii* Tendeiro, 1961  
Price, R. D.; and Emerson, K. C., 1977, J. Kansas Entom. Soc., v. 50 (2), 215-221  
as syn. of *M. meropis* Clay & Meinertzhagen, 1941
- Meromenopon marshalli* n. sp., illus.  
Price, R. D.; and Emerson, K. C., 1977, J. Kansas Entom. Soc., v. 50 (2), 215-221  
key  
*Merops leschenaulti*: Salween River, Thailand; Burma  
*Nyctyornis athertoni*: Thailand
- Meromenopon meropis* Clay & Meinertzhagen, 1941, illus.  
Price, R. D.; and Emerson, K. C., 1977, J. Kansas Entom. Soc., v. 50 (2), 215-221  
synonymy, description, key  
*Merops apiaster*: Afghanistan; Czechoslovakia; Egypt; Morocco  
*M. nubicus*: N. Cameroon  
*M. orientalis*: India; Sudan; Thailand  
*M. ornatus*: West Australia  
*M. philippinus*: Burma; India; Thailand  
*M. superciliosus*: Cyprus; Egypt; India; Philippines  
*M. viridis*: India; Malaysia; Philippines; Thailand  
*Melittophagus bulocki*: Ghana; Nigeria  
*Melittophagus pusillus*: N. Rhodesia; Transvaal  
*Dicrocercus hirundineus*: Mozambique; Rhodesia
- Mesalges johnstoni*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Agelaius phoeniceus*: South Bass Island, Ottawa County, Ohio
- Mesalgoides picimajoris* (Buchholz, 1869)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Picus viridis*: Chernovtzy oblast, Ukrainian SSR  
*Dendrocopos major*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. syriacus*: Moldavian SSR  
*D. leucotos*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. medius*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. minor*: Chernovtzy oblast, Ukrainian SSR  
*Picoides tridactylus*: Chernovtzy oblast, Ukrainian SSR
- Mesolaelaps sminthopsis* (Womersley)  
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Mesonyssus belopolskii* (Bregetova, 1950)  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
*Butorides virescens maculatus* (nasal cavity): Cuba (Santa Fe, Prov. of Havana; Salinas, Cienaga de Zapata, Prov. of Las Villas)  
*Egretta thula thula* (nasal cavity): La Bajada, Guanajacabibes, Prov. of Pinar del Rio, Cuba  
*Florida coerulea* (nasal cavity): Cairije near Sola, Sierra de Cubita, Prov. of Camaguey, Cuba; Cayo Piedra, Isla de Pinos
- Mesonyssus bubulci* (Zumpt & Till, 1955)  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
*Ardeola ibis ibis* (nasal cavity): Cuba (Baracoa near Havana; Santo Tomas, Cienaga de Zapata, Prov. of Las Villas; Chiririco, Prov. of Oriente; Sabaniya, Baracoa, Prov. of Oriente; Canal de Vijil, La Gloria, Prov. of Camaguey)
- Mesonyssus geotrygoni* Dusbabek, 1969  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
*Geotrygon chrysa* (nasal cavity): Carapachibey, Isla de Pinos
- Mesonyssus gerschi* n. sp., illus.  
Feider, Z.; and Mironescu, I., [1975], Ann. Parasitol., v. 49 (6), 1974, 751-774  
*Ardea purpurea* (cavite nasale, conca, atrium): Delta du Danube, Roumanie
- Mesonyssus minuti* n. sp., illus.  
Feider, Z.; and Mironescu, I., [1975], Ann. Parasitol., v. 49 (6), 1974, 751-774  
*Ixobrychus minutus* (cavite nasale, conca, atrium): Ciric, Iasi, Roumanie
- Mesonyssus streptopeliae* Fain, 1962  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
*Streptopelia semitorquata* (fosses nasales): Cameroun



- Mesopsylla apscheronica*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
*Allactaga williamsi*: Armenia
- Mesopsylla eucta tuschkan*  
Avetisian, G. A.; and Ezekelian, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
*Allactaga elater*: Armenia
- Mesopsylla eucta tuschkan* Wagn. et Joff  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal,  
v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological,  
epidemiological and ecological characteris-  
tics of steppe, desert-steppe and desert  
regions of Transsural plague focus  
*Rhombomys opimus*  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian low-  
land
- Mesopsylla hebes* J. et R.  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal,  
v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological,  
epidemiological and ecological characteris-  
tics of steppe, desert-steppe and desert  
regions of Transsural plague focus  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian low-  
land
- Metabinuncus* Fain, 1975 tax. nov. (sous presse)  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
as syn. of *Metabinuncus* Fain, 1972
- Metabinuncus* Fain, 1972  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
Syns.: *Binuncus* (*Metabinuncus*) Fain, 1972;  
*Metabinuncus* Fain, 1975 tax. nov. (sous  
presse)
- Metabinuncus birmanicus* spec. nov., illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
*Hipposideros armiger*: Karin Hills, Birmanie
- Metabinuncus bougainvilleensis* (Fain, 1972)  
comb. nov., illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
description  
Syns.: *Binuncus bougainvilleensis* Fain, 1972;  
*B. (Metabinuncus) corbeti* Fain, 1973  
*Hipposideros* sp.: Buin, Ile de Bougainville  
*H. calcaratus*: San Jorge, Talise, Iles  
Salomon; Kukuba Caves, Papua, Nouvelle-Guinee
- Metabinuncus novaeguineae* (Fain, 1972) comb.  
nov., illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
description  
Syns.: *Binuncus novaeguineae* Fain, 1972  
*Hipposideros (Phyllorhina) diadema* (tete):  
Haveri, Nouvelle Guinee
- Metastivalius* Holland, 1969  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, key, key to Australian species
- Metastivalius molestus* (Jordan, 1936), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
above combination credited to "Holland, 1969,  
p. 71 (by inference)."  
key, diagnosis, syn.: *Stivalius molestus*.  
Jordan, 1936  
*Rattus culmorum*: Queensland
- Metastivalius rectus* (Jordan and Rothschild,  
1922), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
above combination credited to "Holland, 1969,  
p. 71 (by inference)."  
key, diagnosis, syn.: *Stivalius rectus*. Jor-  
dan and Rothschild, 1922  
*Rattus rattus*  
*R. assimilis*  
*R. lutreolus*  
*Rattus* sp.  
grey scrub rat  
wild rat  
all from Queensland
- Microgalobia callipyga* sp. n.  
Fain, A., 1973, Rev. Zool. et Bot. Afri-  
caines, v. 87 (3), 614-621  
*Nesogale dobsoni*: Madagascar
- Microgalobia madagascarensis* sp. n.  
Fain, A., 1973, Rev. Zool. et Bot. Afri-  
caines, v. 87 (3), 614-621  
*Microgale cowani*: Madagascar
- Microgalobia nesogale* sp. n.  
Fain, A., 1973, Rev. Zool. et Bot. Afri-  
caines, v. 87 (3), 614-621  
*Nesogale* sp.: Madagascar
- Microlichus avus*  
Brown, N. S.; and Wilson, G. I., 1975, Am.  
Midland Naturalist, v. 94 (1), 154-165  
comparison of ectoparasites from North  
America and Europe  
*Passer domesticus*: Boston, Mass.
- Microlynchia pusilla* (Speiser)  
Greiner, E. C., 1975, J. Wildlife Dis., v. 11  
(2), 150-156  
*Haemoproteus* in *Zenaida macroura*, prevalence  
with respect to year, season, host age; no  
correlation between parent and nestling in-  
fections; collection of potential vectors  
(Culicidae and Hippoboscidae): Lancaster  
County, Nebraska
- Micropus* Denny, 1842 (nec Meyer and Wolf, 1810)  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of *Gliricicola Mjoberg*, 1910

- Microtrombicula* Ewing 1950  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Microtrombicula chamlongi* n. sp., illus.  
Nadchatram, M.; and Kethley, J., 1974, J. Med. Entom., v. 11 (5), 581-587  
surface of ground: Nakhornayok, Thailand  
Riopa bowringi (just posterior to hind legs): Nakhornayok, Thailand; Nakhon Ratchasima Prov., Amphoe Pak, Thong Chai, Sakaerat, Thailand
- Microtrombicula crossleyi* (Loomis)  
Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
chiggers, scutal measurements: Tallahassee, Florida
- Microtrombicula trisetica*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
Sciurus carolinensis: Indiana
- Mites  
Giboda, M.; and Jurasek, V., 1975, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 24 (5), 310-312  
presence of mite eggs in human fecal samples, possible diagnostic confusion with helminth eggs: East Slovak Region
- Mites  
Kuris, A. M.; and Blaustein, A. R., 1977, Science (4278), v. 195, 596-597  
ectoparasitic mites on rodents as an application of the island biogeography theory, rebuttal of Dritschilo, W.; et al., 1975, Science (4213), v. 190, 467-469
- Mites  
O'Connor, B.; et al., 1977, Science (4278), v. 195, 598  
ectoparasitic mites on rodents as an application of the island biogeography theory, answer to rebuttal of Kuris, A. M.; and Blaustein, A. R., 1977, Science (4278), v. 195, 596-597
- Mites  
Westcott, G., 1977, Vet. Rec., v. 100 (4), 78 [Letter]  
mites, guinea pigs, improved cases using alugan and other acaricides
- Mites  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
Myotis nigricans: Minas Gerais, Brazil
- Mites  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
host and distribution lists of mites (Acari), parasitic and phoretic, in the hair of wild mammals of North America, north of Mexico
- Miyatrombicula* Sasa, Kawashima, and Egashira 1952  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Miyatrombicula cynos* (Ewing)  
Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298  
Neotoma cinerea: Oregon
- Miyatrombicula cynos*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
Sciurus niger: Indiana
- Miyatrombicula jonesae*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
Lasionycteris noctivagans: Fires Creek area, Nantahala Mountains, North Carolina
- Miyatrombicula nikitini* sp. n., illus.  
Kudriashova, N. I.; and Farhang-Azad, A., 1976, Zool. Zhurnal, v. 55 (6), 926-927  
Nesokia indica: Shushtara, Karun river valley, Iran
- Miyatrombicula talyzini* Schluger  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, Zool. Zhurnal, v. 55 (8), 1157-1162  
Apodemus speciosus  
Clethrionomys rutilus  
C. rufocanus  
all from Priamurie
- Modiolicola Aurivillius*, 1882  
Avdeev, G. V., 1977, Biol. Moria, Vladivostok (2), 34-45  
key to species, includes: M. trabalis; M. jamaicensis; M. gracilicaudus sp. n.; M. gracilis; M. insignis; M. inflatipes; M. bifidus; M. maximus; M. inermis
- Modiolicola Aurivillius*, 1882  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
key
- Modiolicola bifidus* Tanaka, 1961, illus.  
Avdeev, G. V., 1977, Biol. Moria, Vladivostok (2), 34-45  
redescription, key  
Modiolus difficilis  
Crenomytilus grayanus  
Crassostrea gigas  
(gills of all): all from Possiet Bay (Sea of Japan)
- Modiolicola gracilicaudus* sp. n., illus.  
Avdeev, G. V., 1977, Biol. Moria, Vladivostok (2), 34-45  
key  
Crenomytilus grayanus (gills): Possiet Bay (Sea of Japan)

- Monogyropus* Ewing, 1924  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Gyropus* Nitzsch, 1818
- Monopsyllus ciliatus protinus* (Jordan 1929)  
Poinar, G. O., jr.; and Nelson, B. C., 1973, J. Med. Entom., v. 10 (4), 349-354  
Eutamias townsendi senex: Plumas County, Antelope Reservoir, Lone Rock Campground, California
- Monopsyllus eumolpi americanus* Hubbard  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
Eutamias minimus  
E. quadrivittatus  
Spermophilus lateralis  
Sciurus aberti  
Tamiasciurus hudsonicus  
Peromyscus maniculatus  
P. truei  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Monopsyllus eumolpi eumolpi* (Rothschild)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
Tamias striatus: Parkside, Wisconsin
- Monopsyllus sciurorum* (Schrank 1803)  
Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
Vulpes vulpes: Schleswig-Holstein
- Monopsyllus sciurorum* (Schrank 1803)  
Beaucournu, J. C., 1976, Ann. Soc. Entom. France, n. s., v. 12 (2), 199-213  
Ceratophyllidae of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France
- Monopsyllus sciurorum*  
Cremers, H. J. W. M.; Jansen, J.; and Swierstra, D., 1975, Tijdschr. Diergeneesk., v. 100 (22), 1209-1211  
Lutreola lutreola: Netherlands
- Monopsyllus sciurorum* (Schon.)  
Haitlinger, R., 1975, Polskie Pismo Entom., v. 45 (2), 373-396  
seasonal variance  
Apodemus tauricus  
Glis glis  
all from Gory Sowie
- Monopsyllus sciurorum* (Schrank, 1803)  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 265-274  
Meles meles: Norge
- Monopsyllus sciurorum* (Schrank)  
Roman, E.; and Pichot, J., 1976, Bull. Mens. Soc. Linn. Lyon, v. 45 (9), 294-296  
+Sitta europaea (nest): Saint-Didier-au-Mont-d'Or (Rhône)
- Monopsyllus s. sciurorum*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, Ann. Parasitol., v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
Vulpes vulpes  
Felis silvestris  
Martes foina  
Martes martes  
all from Nord-Est de la France
- Monopsyllus sciurorum sciurorum* (Schrank)  
Hallas, T. E.; and Bang, P., 1976, Flora og Fauna, København, v. 82 (1), 11-18  
Clethrionomys glareolus: eastern Denmark
- Monopsyllus sciurorum sciurorum* Schrank  
Szabo, I., 1972, Parasitol. Hungar., v. 5, 329-347  
Sciurus vulgaris fuscoater: Sopron and environments, west Hungary
- Monopsyllus vison* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
+Eutamias minimus  
Tamiasciurus hudsonicus  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Monopsyllus vison* (Baker)  
Wilson, N.; and Bull, E. L., 1977, Bird-Banding, v. 48 (2), 171-173  
+squirrel (nest): Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Monopsyllus wagneri*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
Dipodomys heermanni  
Peromyscus californicus  
P. maniculatus  
P. truei  
all from Fort Ord, California
- Monopsyllus wagneri*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of Peromyscus maniculatus sonoriensis and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
Peromyscus maniculatus sonoriensis  
Peromyscus crinitus pergracilis  
Microtus longicaudus latius  
Neotoma lepida lepida  
all from western Utah



- Monopsyllus wagneri* (Baker), illus.  
Haas, G. E., 1973, Am. Midland Naturalist, v. 90 (1), 246-252  
morphological variations: New Mexico
- Monopsyllus wagneri* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Eutamias minimus*  
*E. quadrivittatus*  
*Tamiasciurus hudsonicus*  
*Reithrodontomys megalotis*  
*Peromyscus maniculatus*  
*P. leucopus*  
*P. boylii*  
*P. truei*  
*Neotoma mexicana*  
*N. cinerea*  
*Clethrionomys gapperi*  
*Microtus montanus*  
*M. longicaudus*  
*Mus musculus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Monopsyllus wagneri*  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
*Peromyscus maniculatus*: Lava Beds National Monument, California
- Monopsyllus wagneri* (Baker)  
O'Farrell, T. P., 1975, Am. Midland Naturalist, v. 93 (2), 377-387  
*Perognathus parvus*  
*Peromyscus maniculatus*  
all from Arid Lands Ecology Reserve, Benton County, Washington
- Monopsyllus wagneri* (Baker 1904)  
Poinar, G. O., jr.; and Nelson, B. C., 1973, J. Med. Entom., v. 10 (4), 349-354  
*Peromyscus maniculatus sonoriensis*: Mono County, Tom's Place, California
- Monopsyllus wagneri* (Baker), illus.  
Stark, H. E.; Campos, E. G.; and Elbel, R. E., 1976, J. Med. Entom., v. 13 (1), 107-111  
*Monopsyllus wagneri*, description of third-instar larvae, comparative morphology  
*Peromyscus maniculatus*: Larimer County, Colorado; Tooele County, Utah
- Montesauria* sp.  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Collocalia vanikorensis*  
*C. esculenta*  
*Turdus poliocephalus*  
*Rhipidura spilodera*  
*Pachycephala pectoralis*  
*Erythrura trichroa*  
all from New Hebrides
- Morelacarus Vercammen-Grandjean* 1974  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Mothocya epimerica*  
Rømsland, B.; Janicot, M.; and Trillès, J. P., 1977, Ann. Parasitol., v. 52 (2), 171-180  
tissue alterations and defense reactions in fish parasitized by Cymothoidae  
*Atherina mochon* (lamelles branchiales): Herault, France
- Multisetosa pinguis* Shl. et Amang.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmenk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Musca vetustissima*  
Watts, J. E.; et al., 1976, Austral. Vet. J., v. 52 (10), 488-489 [Letter]  
fly strike, sheep: south-eastern Australia
- Mydopholeus*, new genus  
McDaniel, B., jr.; and Baker, E. W., 1962, Fieldiana: Zoology, v. 44 (16), 127-131  
Rosensteiniidae  
tod: *M. capillus*, new species
- Mydopholeus capillus*, new species, illus. (tod)  
McDaniel, B., jr.; and Baker, E. W., 1962, Fieldiana: Zoology, v. 44 (16), 127-131  
*Tadarida mexicana*: 16 miles northeast of Tamazula, Jalisco, Mexico
- Myiasis  
Antunes, M. L.; and Delascio, D., 1967, Maternidade e Infancia, v. 26 (1), 63-67  
laboratory diagnosis of vulvo-vaginitis of parasitic origin in children: Brasil
- Myiasis  
Beesley, W. N., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 349-368  
review of arthropods which may affect man as zoonoses
- Myiasis  
Bennett, G. F.; Warren, M.; and Ellison, D. W., 1964, Med. J. Malaya, v. 19 (1), 59  
*Chrysomya bezziana*, a major hazard at the Malayan National Zoo
- Myiasis  
Cheong, W. H.; Mahadevan, S.; and Lie, K. J., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 281 [Demonstration]  
*Sarcophaga* sp., human intestinal myiasis with third stage larvae removed from man's stool immediately after defecation on 2 separate occasions: Malaysia
- Myiasis  
Davies, D. M., 1976, J. Parasitol., v. 62 (1), 124  
human aural myiasis, brief review

## Myiasis

- Easton, A. M.; and Smith, K. G. V., 1970, Med. Sc. and Law, v. 10 (4), 208-215  
faunistic survey of cadaver can give accurate results as method of establishing time of death for legal purposes

## Myiasis

- Feigelson, J.; et al., 1976, *Pediatric*, v. 31 (1), 77-79  
Hypoderma bovis, ocular myiasis in young child with resulting lens destruction and surgical removal, child also suffered from cystic fibrosis

## Myiasis

- Garcia-Valdecasas Soler, R., 1972, *Medicamenta*, Madrid (505), an. 30, v. 60, 363-367  
2 case reports of human ocular myiasis caused by *Oestrus ovis* with review of clinical aspects: Seville

## Myiasis, illus.

- Gass, J. D. M.; and Lewis, R. A., 1976, *Arch. Ophthalm.*, Chicago, v. 94 (9), 1500-1505  
human ophthalmomyiasis interna with resulting subretinal tracks, case reports of probable infestations without residual damage

## Myiasis

- Gilly, R.; et al., 1976, *Pediatric*, v. 31 (1), 67-75  
Hypoderma bovis myiasis in young child with presenting symptoms of facial and arm paralysis, at surgical intervention right intracerebral hematoma contained *H. bovis* maggot, source of infection unknown, clinical case report: Lyon, France

## Myiasis

- Griffiths, R. B., 1965, *Med. J. Malaya*, v. 20 (1), 77  
*Chrysomya bezziana* as cause of cutaneous myiasis of cattle (*Bos indicus*) in Kuala Lumpur

## Myiasis

- Hennessey, D. J.; Sherrill, J. M.; and Binder, P. S., 1977, *Am. J. Ophthalm.*, Chicago, v. 84 (6), 802-805  
*Estrus ovis* causing conjunctival myiasis in young girl who had recently camped near area inhabited by sheep and cattle, clinical case report; light and scanning electron microscopy of larva isolated from eye: beach on Catalina Island, California

## Myiasis

- Hira, P. R., 1976, *Tropenmed. u. Parasitol.*, v. 27 (1), 30-32  
case reports of dermal and subdermal myiasis caused by *Cordylobia anthropophaga*, humans, diagnostic discussion: Zambia

## Myiasis

- Hira, P. R., 1977, *East African Med. J.*, v. 54 (4), 224-226  
*Eristalis tenax* in man resulting in rectal myiasis, clinical case report: Zambia

## Myiasis

- Joerg, M. E., 1976, *Prensa Med. Argent.*, v. 63 (2), 47-51  
human anal myiasis, general clinical manifestations, diagnosis, medical management, review

## Myiasis

- Kenney, M.; et al., 1976, *Am. J. Clin. Path.*, v. 66 (5), 786-791  
intestinal myiasis discovered at post-mortem examinations, appendices of 2 men contained tentatively identified *Sarcophaga* sp. and *Phormia regina* respectively: New York

## Myiasis

- Konjanovski, D.; Kotevski, D.; and Dochovski, M., 1969, *Makedon. Med. Pregl.*, v. 24 (5-6), 59-66  
human ocular myiasis with symptoms of conjunctivitis, case reports: Bitola, Macedonia

## Myiasis

- Leclercq, M., 1974, *Medecine and Chir. Digest.*, v. 3 (2), 147-152  
extensive review of myiasis of human gastrointestinal system

## Myiasis

- Macias, E. G.; et al., 1973, *N. England J. Med.*, v. 289 (23), 1239-1241  
*Cochliomyia hominivorax* causing myiasis in children, frequently associated with pediculosis, close proximity to city stockyards and poor environmental and personal hygiene implicated in epidemiology: San Antonio, Texas

## Myiasis

- Muchlis, A.; and Soetijono, P., 1973, *Vet. Med. Rev.* (2), 134-135  
stephanofilariasis, hoof myiasis, cattle, Asuntol ointment, good results: northern Sulawesi, Indonesia

## Myiasis

- Neck, R. W., 1977, *J. Herpetol.*, v. 11 (1), 96-98  
cutaneous myiasis, *Gopherus berlandieri*: Brownsville, Cameron Co., Texas

## Myiasis

- Petithory, J.; and Boulard, C., 1972, *Nouv. Presse Med.*, v. 1 (27), 1841-1843  
human myiasis of *Hypoderma bovis* or *H. lineatum*, diagnosis in early stages using the Ouchterlony method and immunoelectrophoresis with antigen extract of the first larval stage of *H. lineatum*

## Myiasis

- Roy, P.; and Dasgupta, B., 1977, *Proc. Indian Acad. Sc.*, Sect. B, v. 86 (3), 207-209  
*Sarcophaga ruficornis* in *Bufo melanostictus* (eyes, paratoid glands), wound myiasis: Siliguri, West Bengal

## Myiasis

- Townsend, L. H., jr.; and Hall, R. D., 1976, *Proc. Entom. Soc. Wash.*, v. 78 (1), 113  
*Phaenicia sericata*, human (upper inner thigh region of leg, lower vaginal canal): Virginia

## Myiasis

- Tumrasvin, W.; Sucharit, S.; and Vutikes, S., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (1), 74-76  
*Megaselia scalaris*, life cycle, public health importance as cause of myiasis in humans: Thailand

## Myobia sp.

- Howell, F. G.; and Chapman, B. R., 1976, Southwest. Nat., v. 21 (3), 275-280  
*Tadarida brasiliensis* occupying cliff swallow nest: northwestern Texas

## Myobia canadensis Banks, 1910

- Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Acanthopthirius caudata* (Banks, 1910)

## Myobia (Myobia) hyatti sp. n.

- Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Vandeleuria oleracea*: Inde

## Myobia micromydis spec. nov., illus.

- Lukoschus, F. S.; and Driessen, F. M., 1970, Acarologia, v. 12 (1), 119-126  
*Micromys minutus soricinus* (base of the hairs in head and shoulder parts): Nijmegen, The Netherlands; Neusiedler See, Austria

## Myobia musculi, illus.

- Constantin, M., 1971, Parasitol. Hungar., v. 4, 227-237  
*Myocoptes musculus*, *Myobia musculi*, natural infection in laboratory mouse colony, trials with Bayer compound 9010, tetocid, malathion and pyracetone emulsion showed all compounds active against *Myocoptes musculus* but only pyracetone active against *Myobia musculi*

## Myobia musculi

- Csiza, C. K.; and McMartin, D. N., 1976, Lab. Animal Sc., v. 26 (5), 781-787  
*Myobia musculi*, mouse breeding colony, dermatitis characterized by intense pruritus leading to self-mutilation and death, pathogenicity varies according to sex, age, mating ratios, sensitivity and strain of mice, dichlorvos + ronnel, good results

## Myobia musculi, illus.

- Friedman, S.; and Weisbroth, S. H., 1977, Lab. Animal Sc., v. 27 (1), 34-37  
*Myobia musculi*, mice (exper.), life cycle, application to successful treatment regimen

## Myobia musculi (Schrank)

- Goff, M. L., 1975, J. Med. Entom., v. 12 (1), 52-54  
*Mus musculus*: Midway Islands

## Myobia musculi

- Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
*Rattus norvegicus*  
*Mus musculus*  
 all from Carshalton

## Myobia musculi

- Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
 Maus

## Myobia musculi (Schrank 1781), illus.

- Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 245-252  
*Rhinolophus ferrum equinum*: Spain

## Myobia musculi (Shrank)

- Sandhu, P. S.; and Kapoor, V. C., 1977, Entom. News, v. 88 (5-6), 151-152  
*Mus booduga*: Punjab, India

## Myobia musculi

- Spicka, E. J., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 418-422  
*Mus musculus*: Pike County, Indiana

## Myobia musculi

- Weisbroth, S. H.; Friedman, S.; and Scher, S., 1976, Lab. Animal Sc., v. 26 (5), 725-735  
*Myobia musculi*-infested *Mus musculus* in breeding colony, histopathology of skin lesions probably allergic in character, exacerbation of lesions following reinfection of sensitized mice, treatment with dichlorvos-impregnated plastic strips abolished lesions and improved breeding performance

## Myobiidae Megnin, 1877

- Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
 includes: *Myobiinae*; *Archemyobiinae* subfam. nov.

## Myobiidae

- Fain, A., 1977, Ann. Parasitol., v. 52 (3), 339-351  
*Myobiidae*, specificity and parallel host-parasite evolution

## Myobiidae [sp.]

- Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Mus musculus*  
 all from Ancol, Jakarta, Indonesia

## Myobiinae Megnin, 1877

- Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Myobiidae*  
 includes: *Myobiini*; *Australomyobiini* tr. nov.

## Myobiini Megnin, 1877

- Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
*Myobiinae*

## Myocastorobia g. n.

- Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Atopomelidae*  
 tod: *Isothricola myocastor* Fain, 1970  
 [comb. with *Myocastorobia* not made]

## Myocoptes sp.

- Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
 all from Coles County, Illinois



- Myocoptes* sp.  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
all from Warren County, Kentucky
- Myocoptes* sp.  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex palustris*  
*Clethrionomys gapperi*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Myocoptes canadensis* Radford, 1955  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Myocoptes japonensis* Radford, 1955
- Myocoptes jamesoni* Radford, 1955  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Myocoptes japonensis* Radford, 1955
- Myocoptes japonensis*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
all from Coles County, Illinois
- Myocoptes japonensis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Peromyscus maniculatus*: Fires Creek area, Nantahala Mountains, North Carolina
- Myocoptes japonensis* Radford, 1955  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Myocoptes musculus*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
all from Coles County, Illinois
- Myocoptes musculus*, illus.  
Constantin, M., 1971, Parasitol. Hungar., v. 4, 227-237  
*Myocoptes musculus*, *Myobia musculi*, natural infection in laboratory mouse colony, trials with Bayer compound 9010, tetcid, malathion and pyracetone emulsion showed all compounds active against *Myocoptes musculus* but only pyracetone active against *Myobia musculi*
- Myocoptes musculus* Koch  
Goff, M. L., 1975, J. Med. Entom., v. 12 (1), 52-54  
*Mus musculus*: Midway Islands
- Myocoptes musculus*  
Hajsig, M.; and Cuturic, S., 1969, Mykosen, v. 12 (4), 243-244  
*Myocoptes musculus* discovered in laboratory mice, possible role of mites in spread of dermatophytosis
- Myocoptes musculus*  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
*Mus musculus*: Carshalton
- Myocoptes musculus*  
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
Maus
- Myocoptes musculus*  
Spicka, E. J., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 418-422  
*Mus musculus*: Pike County, Indiana
- Myocoptes rattus* sp. n., illus.  
Fain, A.; and Zumpt, F., 1977, Rev. Zool. Africaine, v. 91 (4), 1011-1014  
*Rattus norvegicus*: Stellenbosch, Cape Province, South Africa
- Myodopsylla* Jordan & Rothschild  
Mahnert, V., 1976, Rev. Suisse Zool., v. 83 (3), 769-776  
*Ischnopsyllinae*  
key
- Myodopsylla collinsi* Kohls  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*: Harmon County, southwestern Oklahoma
- Myodopsylla collinsi*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Myotis yumanensis*: Big Bend National Park, Texas  
*M. velifer*: Big Bend National Park, Texas, and Coahuila, Mexico
- Myodopsylla gentilis* Jordan & Rothschild  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Myotis yumanensis*: west of Rio Grande in and near Jemez Mts., New Mexico
- Myodopsylla gentilis*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Mormoops megalophylla*  
*Leptoncyteris nivalis*  
*Myotis yumanensis*  
*M. velifer*  
*Antrozous pallidus*  
*Tadarida brasiliensis*  
*T. macrotis*  
all from Big Bend National Park, Texas

- Myodopsylla insignis* (Rothschild, 1903), illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Myonyssus* sp.  
Athias-Henriot, C., 1977, J. Austral. Entom. Soc., v. 16 (3), 225-235  
Rattus fuscipes: Olsen's Bridge, Victoria
- Myonyssus* sp.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975, Zool. Zhurnal, v. 54 (1), 124-127  
+Lagurus lagurus (nest): Karagandinsk oblast
- Myonyssus* sp.  
Evseeva, V. E.; and Naumov, R. L., 1975, Zool. Zhurnal, v. 54 (1), 151-153  
+Ochotona alpina: Western Sayan Mountains
- Myonyssus jamesoni*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
Blarina brevicauda: Fires Creek area, Nantahala Mountains, North Carolina
- Myophthiria neohebudarum* Maa 1976  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Collocalia vanikorensis: New Hebrides
- Myotrombicula rhinolophi* Muljarskaja, 1971  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan
- Myoxopsylla jordani* Ioff et Argyropulo, 1934, illus.  
Skuratowicz, W.; Bartkowska, K.; and Mitev, D., 1976, Bull. Acad. Polon. Sc., Cl. II., s. Sc. Biol., v. 24 (12), 741-746  
Dryomys nitedula: Smoljanske ezera, Bulgaria  
+Dryomys nitedula (occupying nest of Turdus sp.): by river Veleka, 6 km south of Ahtopol, Bulgaria
- Myoxopsylla laverani* (Rothschild 1911)  
Beaucournu, J. C., 1976, Ann. Soc. Entom. France, n. s., v. 12 (2), 199-213  
Ceratophyllidae of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France
- Myoxopsylla laverani laverani*  
Vaucher, C.; and Quentin, J. C., 1975, Bull. Soc. Neuchatel. Sc. Nat., 3. s., v. 98, 27-34  
parasitized by cysticeroids of Hymenolepis myoxi  
+Eliomys quercinus (nest): France
- Myrsidea* species-group  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Turdus poliocephalus  
Rhipidura spilodera  
R. fuliginosa  
Myiagra caledonica  
Pachycephala pectoralis  
Zosterops flavifrons  
Z. lateralis  
Erythrura trichroa  
all from New Hebrides
- Myrsidea coloiopsis* n. sp., illus.  
Klockenhoff, H., 1977, Bonn. Zool. Beitrage, v. 28 (1-2), 141-148  
key  
Corvus moneduloides: Mare, Loyalty Islands
- Myrsidea-grandiceps* group  
Klockenhoff, H., 1977, Bonn. Zool. Beitrage, v. 28 (1-2), 141-148  
key to females of 8 taxa  
includes: Myrsidea trinoton; M. pilosa; M. novabritannica; M. coloiopsis; M. grandiceps; M. grandiceps macrorhynchicola; M. schizotergum; M. s. schizotergum; M. schizotergum arafura; M. g. grandiceps
- Myrsidea interrupta* (Osborn, 1896)  
Andrews, S. E.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (1), 24-28  
Corvus brachyrhynchos (ventral regions): insular Newfoundland
- Mytilicola intestinalis* Steuer  
Cormaci, M., 1973, Atti Accad. Gioenia Sc. Nat. Catania, v. 149, 7. s., v. 5, 51-61  
Mytilicola intestinalis, incidence increases with size of Mytilus galloprovincialis, under 8 parasites per mussel causes no weight loss: Siracusa
- Mytilicola intestinalis*  
Davey, J. T.; et al., 1977, Parasitology, v. 75 (2), xxxv-xxxvi [Abstract]  
Mytilicola intestinalis revealed to be harmless commensal of mussels rather than serious pest
- Mytilicola intestinalis* Steuer  
Davey, J. T.; and Gee, J. M., 1976, J. Marine Biol. Ass. United Kingdom, v. 56 (1), 85-94  
Mytilicola intestinalis, survey, incidence in mussels, suggested differences in infestation levels between estuarine and open-coast populations due primarily to differences in degree of exposure to wave action, other factors include size, population density and location of hosts  
Mytilus sp. (digestive tract): southwest of England
- Myxacar* Brennan and Yunker 1966  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere

Myzotheridion gen. nov.

Laubier, L.; and Bouchet, P., [1977], Arch.

Zool. Exper. et Gen., v. 117 (4), 469-483

"probably belongs to the family Ventriculini-  
dae (Dichelesthioidea), but its morphological  
features corroborate the heterogeneity of  
this family"

tod: M. seguenziae sp. nov.

Myzotheridion seguenziae sp. nov., illus. (tod)

Laubier, L.; and Bouchet, P., [1977], Arch.

Zool. Exper. et Gen., v. 117 (4), 469-483

Seguenzia carinata (cavite palleale): Golfe  
de Gascogne



- Namakosiramia* gen. n.  
Ho, J.; and Perkins, P. S., 1977, *J. Parasitol.*, v. 63 (2), 368-371  
*Namakosiramiidae* n. fam.  
tod: *N. californiensis* sp. n.
- Namakosiramia californiensis* sp. n. (tod), illus.  
Ho, J.; and Perkins, P. S., 1977, *J. Parasitol.*, v. 63 (2), 368-371  
*Stichopus parvimensis* (body surface): about 600 m north of Pt. Vincente, off Palos Verdes, California
- Namakosiramiidae* n. fam.  
Ho, J.; and Perkins, P. S., 1977, *J. Parasitol.*, v. 63 (2), 368-371  
*Cyclopoida*  
includes: *Namakosiramia* gen. n.
- Nanaspis mixta*, new species, illus.  
Humes, A. G., 1975, *Smithsonian Contrib. Zool.* (202), 41 pp.  
*Microthele nobilis*: New Caledonia (west of Isle Mando, near Noumea; off Goro)
- Naobranchia variabilis* Brian, 1924, illus.  
Kabata, Z., 1968, *J. Nat. Hist.*, v. 2 (4), 505-523  
description of female  
*Sphaeroides pleurosticus* (gills): Moreton Bay, Queensland
- Nasicola* Brennan and Yunker 1969  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Naubates* sp., probably *N. harrisoni*  
Ward, R. A.; and Downey, J. C., 1973, *J. Med. Entom.*, v. 10 (4), 391-396  
*Puffinus pacificus chlororhynchus*: Eastern Island, Midway Atoll, Pacific Ocean
- Naubates harrisoni* Bedford, 1930  
Ward, R. A.; and Downey, J. C., 1973, *J. Med. Entom.*, v. 10 (4), 391-396  
*Puffinus nativitatis*: Eastern Island, Pacific Ocean
- Nearctopsylla genalis* Baker  
Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, *Proc. Indiana Acad. Sc.*, v. 83, 1973, 478-481  
*Scalopus aquaticus* (fur): Indiana
- Neoboydaia* (Aureliana) sp.  
Dusbabek, F.; and Cerny, V., 1970, *Acarologia*, v. 12 (2), 269-281  
*Tyto alba furcata* (nasal cavity): Havana, Cuba
- Neochauleiacia minuscula* Gaud et Atyeo, 1967  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Apus apus*: Moldavian SSR
- Neocolpocephalum* Ewing, 1933  
Zlotorycka, J.; Eichler, W.; and Ludwig, H. W., 1974, *Parasitol. Schriftenr.*, v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *N. (N.) turbinatum* (Denny, 1842)
- Neocolpocephalum turbinatum* (Denny, 1842), illus.  
Lunkashu, M. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 214-226  
description  
[domestic pigeon]: Moldavian SSR; and Chernovtzy oblast, Ukrainian SSR
- Neohaematopinus* Mjoeberg, 1910  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (5), 1-62  
key
- Neohaematopinus antennatus semifasciatus* Ferris, 1916  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (5), 1-62  
as syn. of *Neohaematopinus semifasciatus* Ferris, sensu lato
- Neohaematopinus callosciuri* Johnson, illus.  
Kim, K. C., 1971, *J. Med. Entom.*, v. 8 (1), 49-55  
description of nymphs  
*Callosciurus erythraeus centralis*: Taiwan  
*C. e. thaiwanensis*: Taiwan  
[no host]: Thailand; Malaysia
- Neohaematopinus keniae* Ferris, 1923  
Kim, K. C.; and Emerson, K. C., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 425-455  
*Heliosciurus gambianus*: Dahomey
- Neohaematopinus petauristae* Ferris, illus.  
Kim, K. C., 1971, *J. Med. Entom.*, v. 8 (1), 49-55  
description of nymphs  
Syn.: *Petauristophthirus petauristae*: Eichler 1949  
*Petaurista grandis*: Taiwan
- Neohaematopinus sciuri* Jancke  
Amin, O. M., 1973, *J. Med. Entom.*, v. 10 (1), 110-111  
*Sciurus carolinensis*: Kenosha City, Wisconsin
- Neohaematopinus sciuri* Jancke  
Amin, O. M., 1976, *Great Lakes Entom.*, v. 9 (4), 195-198  
*Sciurus carolinensis*: Kenosha County, Wisconsin
- Neohaematopinus sciuri*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, *Proc. Indiana Acad. Sc.*, v. 85, 1975, 431-436  
*Sciurus carolinensis*: Indiana

- Neohaematopinus "sciurinus group"*, Wenzel and Johnson, 1966  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
as syn. of *Neohaematopinus semifasciatus* Ferris, sensu lato
- Neohaematopinus sciurinus*, Ferris, 1923 (partim)  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
as syn. of *Neohaematopinus semifasciatus* Ferris, sensu lato
- Neohaematopinus sciurinus*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
*Sciurus niger*: Indiana
- Neohaematopinus semifasciatus* Ferris, sensu lato, illus.  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
synonymy  
*Sciurus gilvicularis*  
*S. granatensis*  
all from Venezuela
- Neohaematopinus semifasciatus*, Johnson, 1959  
Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
as syn. of *Neohaematopinus semifasciatus* Ferris, sensu lato
- Neochoronyssus carnifex* Keegan, 1946 (not Koch, 1839)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus utahensis* Allred & Beck, 1966
- Neochoronyssus obsoletus* Jameson & Brennan, 1957 (not Jameson, 1950)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Hirstionyssus utahensis* Allred & Beck, 1966
- Neolaelaps spinosus* (Berlese, 1910)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Pteropus tonganus*: New Hebrides
- Neolinguatula nuttalli* (Sambon, 1922), illus.  
Sachs, R.; Rack, G.; and Woodford, M. H., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 401-409  
*Connochaetes taurinus*: Tanzania  
*Gazella granti*: Tanzania  
*Taurotragus oryx*: Tanzania  
*Kobus defassa*: Tanzania  
*Syncerus caffer*: Tanzania; Uganda  
*Kobus kob*: Uganda  
*Tragelaphus scriptus*: Uganda  
*Redunca redunca*: Uganda
- Neomusca porteri* (Dodge)  
Kinsella, J. M.; and Winegarner, C. E., 1974, J. Med. Entom., v. 11 (5), 633  
life history  
*Myiarchus crinitus* (subcutaneous cysts between bases of growing remigial feathers of wings and on head; chin, throat, back, nares, around tail and mouth): Archbold Biological Station, Highlands Co., Florida
- Neomyobia* sp.  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Neomyobia birmana* sp. n.  
Fain, A., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 614-621  
*Rhinolophus affinis*: Birmanie
- Neomyobia birmana* Fain, 1973, illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
description  
*Rhinolophus affinis macrurus*: Taho, Karin Hills, Birmanie
- Neomyobia orientalis* Fain, 1973, illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
description  
*Rhinolophus affinis macrurus*: Taho, Karin Hills, Birmanie
- Neonyssus* (*Paraneonyssus*) *hirsti* Castro & Pereira, 1947  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
*Passer domesticus* (nasal cavity): Havana, Cuba
- Neonyssus* (*Paraneonyssus*) *hirsti* Castro & Pereira  
McGroarty, D. L.; and Dobson, R. C., 1974, Am. Midland Naturalist, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Neonyssus* (*Paraneonyssus*) *icteridius* Strandtmann & Furman, 1956  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
*Icterus dominicensis melanopsis* (nasal cavity): Cuba (Vinales, Valle de San Vicente, Prov. of Pinar del Rio; Sabaniya, Baracoa, Prov. of Oriente)  
*Mimocichla plumbea schistacea* (nasal cavity): Sabaniya, Baracoa, Cuba
- Neonyssus* (*Spizonyssus*) *morofskyi* (Hyland, 1962)  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
*Mniotilta varia* (nasal cavity): Havana, Cuba
- Neonyssus* (*Paraneonyssus*) *pirangae* Cerny, 1969  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
*Piranga rubra rubra* (nasal cavity): Havana, Cuba

- Neopsylla abagaitui* Ioff  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Neopsylla abagaitui* Ioff, 1946  
Skuratowicz, W., 1976, Polskie Pismo Entom., v. 46 (1), 25-27  
*Citellus undulatus*: Cecerleg, Mongolia
- Neopsylla bidentatiformis* Wagn.  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Neopsylla clavelia* Li et Wei sp. nov., illus.  
Li, K. C.; Hsieh, P. C.; and Wei, S. F., 1977, Acta Entom. Sinica, v. 20 (4), 455-460  
Apodemus agrarius: Szechuan, China  
+Apodemus: Szechuan, China
- Neopsylla longisetosa* Li et Hsieh sp. nov., illus.  
Li, K. C.; Hsieh, P. C.; and Wei, S. F., 1977, Acta Entom. Sinica, v. 20 (4), 455-460  
+Microtus irene (nest): Yunnan, China  
+Eothenomys custodis (nest): Yunnan, China  
+Ochotona thibetana (nest): Yunnan, China
- Neopsylla mana* Wagn.  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Neopsylla marleaneae* Lewis, 1971  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
*Rattus rattoides*  
*R. rattus*  
*R. fulvescens*  
*R. eha*  
all from Nepal
- Neopsylla pleskei*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*  
*M. nivalis*  
+Arvicola terrestris (nest)  
all from Armenia
- Neopsylla pleskei orientalis* Ioff et Arg.  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Neopsylla secura secura* Rothschild, 1915, illus.  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
Apodemus sylvaticus  
Pitymys sikimensis  
all from Nepal
- Neopsylla secura secura* Rothschild  
Smit, F. G. A. M., 1975, Senckenbergiana Biol., v. 56 (4-6), 247-256  
Nepal
- Neopsylla secura separata* n. ssp., illus.  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
Apodemus gorkha: Dhorpatan, Lethe, Chadiou Khola, and Thaksang, Nepal  
*Rattus rattoides*: Nabrikot, Nepal  
Apodemus sylvaticus: Old Marpha, Nepal  
*Soriculus nigrescens*: Gorapani, Nepal  
*Mus musculus*: Thaksang, Nepal  
*Pitymys sikimensis*: Dhorpatan, Nepal
- Neopsylla setosa* Wagn.  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transural plague focus  
*Citellus pygmaeus*  
*Rhombomys opimus*  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian lowland
- Neornipsyllus* subgen. n.  
Smit, F. G. A. M., 1976, Entom. Ber., Amsterdam, v. 36 (5), 65-67  
subgen. of *Dasypsyllus*  
tod: *Dasypsyllus* (N.) *cteniopus*
- Neoschoengastia* Ewing 1929  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Neaschongastia americana* (Hirst)  
Cunningham, J. R.; Kunz, S. E.; and Price, M. A., 1976, J. Econom. Entom., v. 69 (2), 161-164  
*Neaschongastia americana*, variations in degradable lesions on turkeys correlated with rainfall and soil temperature, equation for prediction of mite damage
- Neoschoengastia americana* (Hirst)  
Cunningham, J. R.; Kunz, S. E.; and Price, M. A., 1977, Ann. Entom. Soc. Am., v. 70 (1), 17-18  
*Neoschoengastia americana*, development and longevity under laboratory and field conditions, rainfall increased time required to complete a generation
- Neoschoengastia fullbergae* Brennan  
Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298  
*Odocoileus hemionus columbianus*: west of Corvallis, Benton County, Oregon
- Neospeleochir* n. subg.  
Fain, A., 1971, Acarologia, v. 12 (3), 509-521  
subgen. of *Speleochir* Fain, 1966  
key, tod: *Speleochir* (*Neospeleochir*) *duboisii* (Fain, 1955)



- Neospeleognathopsis* Fain, 1958  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
redefinition, key  
Syn.: *Speleognathopsis* (*Neospeleognathopsis*)  
Fain, 1958
- Neospeleognathopsis* Fain, 1958  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
subgen. of *Neospeleognathopsis* Fain, 1958  
key
- Neospeleognathopsis* (*Speleomyotis*) *bastini*  
(Fain, 1958)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Neospeleognathopsis* (*Speleomyotis*) *bastini* *di-*  
*delphis* (Fain et Aitken, 1969)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
*Didelphis marsupialis*: Bresil
- Neospeleognathopsis* (N.) *chiropteri* (Fain, 1955)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Neotrichodectes minutus* (Paine), illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brig-*  
*ham Young Univ. Sc. Bull.*, Biol. ser., v. 20  
(3), 1-77  
key, syn.: *Trichodectes minutus* Paine, 1912
- Neotrichodectes pallidus* (Piaget, 1880), illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brig-*  
*ham Young Univ. Sc. Bull.*, Biol. ser., v. 20  
(3), 1-77  
synonymy, key  
*Nasua nasua*: Venezuela
- Neotrichodectes semistriatus*, new species, illus.  
Emerson, K. C.; and Price, R. D., 1975, *Brig-*  
*ham Young Univ. Sc. Bull.*, Biol. ser., v. 20  
(3), 1-77  
key  
*Conepatus semistriatus*: Hato Mata de Bejuco,  
Monagas, Venezuela
- Neotrombicula* Hirst 1925  
Brennan, J. M.; and Goff, M. L., 1977, *J. Par-*  
*asitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Neotrombicula* sp. nr. *loomisi*  
Easton, E. R., 1975, *J. Med. Entom.*, v. 12  
(3), 295-298  
*Gerrhonotus coeruleus*: Oregon
- Neotrombicula* [sp.]  
Loomis, R. B.; and Goff, M. L., 1973, *J. Med.*  
*Entom.*, v. 10 (2), 113-117  
*Peromyscus boylii*: NE of Santa Lucia, Sina-  
loa, Mexico
- Neotrombicula alizadei* Muljarskaja, 1970  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
*Vestnik Zool.*, Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Neotrombicula autumnalis* Schaw, 1790  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
*Vestnik Zool.*, Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Neotrombicula brennani* (Gould)  
Easton, E. R., 1975, *J. Med. Entom.*, v. 12  
(3), 295-298  
*Sorex trowbridgii*  
*Peromyscus maniculatus*  
all from Oregon
- Neotrombicula brevis* sp. n., illus.  
Shluger, E. G.; and Amanguliev, A., 1975, *En-*  
*tom. Obozr.*, v. 54 (2), 463-470  
*Eremias velox*  
*Gymnodactylus caspius*  
all from Kara-Kala region (Iol-Dere ravine),  
Turkmenia
- Neotrombicula carterae*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, *J. Elisha Mitchell*  
*Scient. Soc.*, v. 91 (1), 13-17  
*Peromyscus maniculatus*: Fires Creek area,  
Nantahala Mountains, North Carolina
- Neotrombicula caviola*  
Buckner, R. L.; and Gleason, L. N., 1974, *Tr.*  
*Kentucky Acad. Sc.*, v. 35 (3-4), 70-75  
seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
all from Warren County, Kentucky
- Neotrombicula cavicola* (Ewing)  
Easton, E. R., 1975, *J. Med. Entom.*, v. 12  
(3), 295-298  
*Trombiculidae*, comparison of incidence,  
hosts and seasonal activity in two diverse  
habitats  
*Eutamias townsendi*  
*Clethrionomys occidentalis*  
*Neotoma cinerea*  
*Microtus oregoni*  
*M. montanus*  
*Neotoma fuscipes*  
*Sorex vagrans*  
all from Oregon
- Neotrombicula cavicola*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, *J. Elisha Mitchell*  
*Scient. Soc.*, v. 91 (1), 13-17  
*Sorex cinereus*  
*S. fumeus*  
*S. palustris*  
*Blarina brevicauda*  
all from Fires Creek area, Nantahala Moun-  
tains, North Carolina
- Neotrombicula dinehartae*  
Easton, E. R., 1975, *J. Med. Entom.*, v. 12  
(3), 295-298  
*Gerrhonotus multicarinatus*: Oregon
- Neotrombicula faghihi* Kudriashova sp. n.  
Kudriashova, N. I.; Neronov, V. M.; and Far-  
ang-Azad, A., 1973, *Zool. Zhurnal*, v. 52 (1),  
130-136  
*Tatera indica*  
*Cricetulus migratorius*  
all from Iran

- Neotrombicula harperi*  
Cooper, C. L.; and Crites, J. L., 1975, *J. Med. Entom.*, v. 12 (4), 483  
*Turdus migratorius*  
*Sturnus vulgaris*  
*Passer domesticus*  
all from South Bass Island, Ottawa County, Ohio
- Neotrombicula harperi* (Ewing)  
Easton, E. R., 1975, *J. Med. Entom.*, v. 12 (3), 295-298  
Trombiculidae, comparison of incidence, hosts and seasonal activity in two diverse habitats  
*Eutamias townsendi*  
*Neotoma cinerea*  
*Clethrionomys occidentalis*  
*Microtus oregoni*  
*M. montanus*  
*Sorex vagrans*  
all from Oregon
- Neotrombicula heptneri* Kudriashova sp. n., illus.  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, *Zool. Zhurnal*, v. 52 (1), 130-136  
*Meriones persicus*  
*M. libycus*  
*Tatera indica*  
all from Iran
- Neotrombicula ichikawai*  
Kamimura, K.; et al., 1972, *Eisei Dobutsu* (Japan. J. San. Zool.), v. 23 (2), 83-87  
seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by *Leptotrombidium pallidum*  
*Apodemus speciosus*: Yamada, Toyama Prefecture, northern Honshu
- Neotrombicula japonica* Tanaka et al.  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, *Zool. Zhurnal*, v. 55 (8), 1157-1162  
*Clethrionomys rutilus*  
*C. rufocanus*  
all from Priamurie
- Neotrombicula japonica*  
Kamimura, K.; et al., 1972, *Eisei Dobutsu* (Japan. J. San. Zool.), v. 23 (2), 83-87  
seasonal occurrence; outbreak of acute febrile exanthematic disease among school children, possibly Tsutsugamushi disease transmitted by *Leptotrombidium pallidum*  
*Apodemus speciosus*  
*Microtus montebelli*  
all from Yamada, Toyama Prefecture, northern Honshu
- Neotrombicula japonica*  
Nakata, K., 1975, *Eisei Dobutsu* (Japan. J. San. Zool.), v. 27 (2), 189-194  
trombiculid mites, seasonal fluctuations of larvae, difference of modes for attachment to rodents, incidence and number of species vary with vegetation types  
*Clethrionomys rutilus mikado*  
*C. rufocanus bedfordiae*  
*Apodemus giliacus*  
*A. argenteus*  
all from Tonden, Sapporo, Japan
- Neotrombicula llogorensis* Daniel, 1960  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, *Zool. Zhurnal*, v. 52 (1), 130-136  
[no host]: Iran
- Neotrombicula megensi* n. sp., illus.  
Goff, M. L., 1975, *J. Med. Entom.*, v. 12 (1), 52-54  
*Rattus rattus*: Eastern Island, Midway Islands
- Neotrombicula microti* Ewing  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, *Zool. Zhurnal*, v. 55 (8), 1157-1162  
*Sciurus vulgaris*  
*Eutamias sibiricus*  
*Apodemus speciosus*  
*Clethrionomys rutilus*  
*C. rufocanus*  
*Microtus fortis*  
all from Priamurie
- Neotrombicula mofidii* Kudriashova sp. n., illus.  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, *Zool. Zhurnal*, v. 52 (1), 130-136  
*Meriones persicus*: Iran
- Neotrombicula nagayoi* Sasa et al.  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, *Zool. Zhurnal*, v. 55 (8), 1157-1162  
*Sciurus vulgaris*  
*Eutamias sibiricus*  
*Apodemus speciosus*  
*Clethrionomys rutilus*  
*C. rufocanus*  
all from Priamurie
- Neotrombicula pomeranzevi* Schluger  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, *Zool. Zhurnal*, v. 55 (8), 1157-1162  
*Eutamias sibiricus*  
*Clethrionomys rutilus*  
*C. rufocanus*  
all from Priamurie
- Neotrombicula rostrata* Muljarskaya  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, *Zool. Zhurnal*, v. 52 (1), 130-136  
[no host]: Iran
- Neotrombicula sylvilagi*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, *Proc. Indiana Acad. Sc.*, v. 85, 1975, 431-436  
*Sciurus niger*: Indiana
- Neotrombicula talmiensis* Schluger, 1955  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, *Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool.* (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan

- Neotrombicula talmiensis* Schluger  
Gopachenko, I. M.; Volkov, V. I.; and Chernykh, P. A., 1976, Zool. Zhurnal, v. 55 (8), 1157-1162  
Eutamias sibiricus  
Apodemus agrarius  
A. speciosus  
Clethrionomys rutilus  
C. rufocanus  
Microtus fortis  
all from Priamurie
- Neotrombicula talmiensis* Schluger, 1955  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, Zool. Zhurnal, v. 52 (1), 130-136  
[no host]: Iran
- Neotrombicula tamiyai*  
Nakata, K., 1975, Eisei Dobutsu (Japan. J. San. Zool.), v. 27 (2), 189-194  
trombiculid mites, seasonal fluctuations of larvae, difference of modes for attachment to rodents, incidence and number of species vary with vegetation types  
Clethrionomys rutilus mikado  
C. rufocanus bedfordiae  
Apodemus giliacus  
Rattus norvegicus  
all from Tonden, Sapporo, Japan
- Neotrombicula valenti* Kudriashova sp. n., illus.  
Kudriashova, N. I.; Neronov, V. M.; and Farang-Azad, A., 1973, Zool. Zhurnal, v. 52 (1), 130-136  
Meriones libycus  
M. persicus  
Mus musculus  
Gerbillus nanus  
Cricetulus migratorius  
all from Iran
- Neotrombicula vulgaris* Schluger, 1955  
Gadzhev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan
- Neotrombicula whartoni*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
Sciurus niger  
S. carolinensis  
all from Indiana
- Neotrombiculoides* (Hyponeocula) Vercammen-Grandjean, 1960  
Tanigoshi, L. K.; and Loomis, R. B., 1974, Melanderia, v. 17, 1-27  
as syn. of Hyponeocula Vercammen-Grandjean, 1960, new status
- Neotrombiculoides* (Hyponeocula) arenicola Vercammen-Grandjean, 1960  
Tanigoshi, L. K.; and Loomis, R. B., 1974, Melanderia, v. 17, 1-27  
as syn. of Hyponeocula arenicola (Loomis) n. comb.
- Neottialges* Fain, 1966  
Fain, A.; and Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 320-324  
includes subgenera: *Neottialges* Fain, 1966; *Caloenectes* Fain, 1966; *Pelecanectes* Fain, 1966
- Neottialges* Fain, 1966  
Fain, A.; and Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 320-324  
subgen. of *Neottialges*, description
- Neottialges* (Caloenectes) fregatae n. sp., illus.  
Fain, A.; and Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 320-324  
Fregata minor (gular pouch tissue): Lisianski Island, leeward Hawaiian Islands
- Neottialges* (Pelecanectes) hawaiiensis n. sp., illus.  
Fain, A.; and Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 320-324  
Fregata minor (gular pouch tissue): Lisianski Island, leeward Hawaiian Islands
- Neottialges* (Caloenectes) kutzeri Fain, 1967, illus.  
Pence, D. B., 1973, J. Med. Entom., v. 10 (3), 240-243  
Mycteria americana (under the skin): Broward County, Florida
- Neotunga euloidea* Smit, illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
- Neotyranninyssus fluvicolae* Fain & Aitken, 1967  
Hyland, K. E.; and Moorhouse, A., 1970, Acarologia, v. 12 (1), 45-58  
Pyrocephalus rubinus (nasal passages): Tlacotalpan, Veracruz, Mexico
- Nerocila* [n. spp.]  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
Mugilidae (nageoires)  
Gadus capellanus  
all from golfe du Lion, Mediterranee occidentale
- Nerocila* sp. Monod, 1927  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila armata* Dana, 1853
- Nerocila* [sp.], perhaps *N. breviceps*  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
sole (nageoire caudale): Golfe de Californie
- Nerocila* [sp.], perhaps *N. lata*  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
[no host]: Tehuantepec



- Nerocila aculeata* Edwards, 1840, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
nec *Nerocila aculeata*: Dana, 1853  
[no host]: Mers des Indes
- Nerocila aculeata*: Dana, 1853  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
not a syn. of *Nerocila aculeata* Edwards, 1840
- ? *Nerocila aculeata* Dana, 1853 (nec *Nerocila aculeata* Edwards)  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila latiuscula* Dana, 1853
- Nerocila adriatica* Schioedte et Meinert, 1881  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Nerocila maculata* Edwards, 1840
- Nerocila affinis* Edwards, 1840  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Nerocila maculata* Edwards, 1840
- Nerocila armata* Dana, 1853, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
synonymy  
poisson (nageoires): Guyane française  
Hemicarax marginatus: Dikullu, embouchure de la rivière Bimbia (Cameroun anglais)  
Mugil auratus (queue): Souelaba (Cameroun)
- Nerocila armata* (nec *Nerocila armata* Dana, 1853):  
Barnard, 1924-1926  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila cephalotes* Schioedte et Meinert, 1881
- Nerocila armata* (nec *Nerocila armata* Dana, 1853):  
Trilles, 1973  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila fluviatilis* Schioedte et Meinert, 1881
- Nerocila armatus* (nec *Nerocila armata* Dana, 1853):  
Stebbing, 1921  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila cephalotes* Schioedte et Meinert, 1881
- Nerocila armatus*: Stebbing, 1921  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
not a syn. of *Nerocila armata* Dana, 1853
- Nerocila bivittata* (Risso, 1816), illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
[no host]: Monaco; Agay (Var); Syrie, golfe d'Alexandrette; Grand Lac Amer--Canal de Suez  
*Scorpaena porcus*: Castiglione (Algerie)  
*Crenilabrus tinca* (caudale): Castiglione (Algerie)  
*Crenilabrus pavo* (base de la queue): Castiglione pres Alger  
*Pagellus erythrinus*: golfe d'Alexandrie  
*Scorpaena scrofa*: Castiglione
- Nerocila bivittata* (Risso, 1816), illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
synonymy, geographical distribution, systematic and ecologic remarks, size, review
- Nerocila bivittata*: Gourret, 1907 [et auct.]  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Nerocila orbignyi* (Guerin-Meneville, 1829-1832)
- ? *Nerocila brasiliensis* Dana, 1853  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila latiuscula* Dana, 1853
- Nerocila californica* Schioedte & Meinert, 1881  
Brusca, R. C., 1977, Bull. South. Calif. Acad. Sc., v. 76 (2), 128-131  
Cymothoidae, range extensions, some host records questionable, host criteria: eastern Pacific Ocean  
[no host]: La Lagunilla, Peru  
*Cetengraulis mysticetis*: upper Gulf of California  
*Syacium ovale*: upper Gulf of California  
*Micrometrus minimus*: San Diego, California  
*Oligoplites mundus*: upper Gulf of California  
*Mugil cephalus*: Gulf of California  
*Sphoeroides annulatus*: upper Gulf of California  
*Paralabrax clathratus*: San Diego, California  
*Umbrina roncadore*: San Diego, California  
*Embiotoca jacksoni*: San Diego, California  
*Atherinopsis californiensis*: King Harbor, Los Angeles, California  
*Stereolepis gigas*: Cape San Lucas, Baja California Sur, Mexico  
*Istiophorus platypterus*: Mazatlan, Sinaloa, Mexico  
*Cynoscion macdonaldi*: upper Gulf of California  
*Mycteroperca xenarcha*: Magdalena Bay, Baja California Sur, Mexico  
*Atherinops affinis*: Long Beach, California
- Nerocila californica*, illus.  
Valentine, D. W.; and Phelps, R., 1977, Calif. Fish and Game, v. 63 (2), 129-132  
*Nerocila californica*, localization on fish, fit to theoretical Poisson distribution  
*Amphistichus argenteus* (caudal fin): Belmont Shore, California

- Nerocila cephalotes* Schioedte et Meinert, 1881, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
synonymy  
[no host]: baie du Levrier, Port-Etienne; cap Blanc, Mauritanie (Afrique occidentale)  
Pagellus erythrinus  
Arius hendeloti: Port-Etienne, Mauritanie
- Nerocila depressa* Edwards, 1840, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
synonymy  
Scomber: Tonkin, pointe du Scorpion
- Nerocila dolichostylis* Koelbel, 1878  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
as syn. of *Nerocila depressa* Edwards, 1840
- Nerocila excisa* (Richardson, 1901), illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
Syn.: *Aegathoa excisa* Richardson, 1901  
[no host]: Malabar
- Nerocila fluviatilis* Schioedte et Meinert, 1881, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
synonymy  
[no host]: Mar del Plata
- Nerocila laticauda* Schioedte et Meinert, 1881, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
[no host]: Nouvelle-Hollande
- Nerocila latiuscula* Dana, 1853, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
synonymy  
[no host]: Bresil; Guyane francaise, golfe de Cayenne; Ouanary  
poisson (nageoires ventrales): Guyane francaise, embouchure de l'Approuague
- Nerocila maculata* Edwards, 1840  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
mulet gris: Royan  
[no host]: Cotes de Naples; Bohn, golfe de Gascogne; Bone
- Nerocila maculata* Edwards, 1840, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
synonymy, geographical distribution, systematic and ecologic remarks, size, review
- Nerocila munda* Harger, 1873, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345
- Nerocila neapolitana* Schioedte et Meinert, 1881  
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as syn. of *Nerocila maculata* Edwards, 1840
- Nerocila novae zelandiae* Schioedte et Meinert, 1881, illus.  
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[no host]: Nouvelle-Zelande
- Nerocila orbignyi* (nec *Nerocila orbignyi* (Guerin-Meneville, 1829-1832)): Ringuelet, 1947; Szidat, 1953; Szidat, 1955  
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as syn. of *Nerocila cephalotes* Schioedte et Meinert, 1881
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synonymy, geographical distribution, systematic and ecologic remarks, size, review
- Nerocila orbignyi*: Monod, 1931 [et auct.]  
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as syn. of *Nerocila depressa* Edwards, 1840

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as syn. of *Nerocila cephalotes* Schioedte et Meinert, 1881
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Syn.: *Emphyilia ctenophora* Koelbel, 1878  
[no host]: cap de Bonne Esperance
- Nerocila tenuipes* Dana, 1853, illus.  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 303-345  
[no host]: Bresil
- Nerocila trichiura* (Miers, 1877), illus.  
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Syn.: *Anilocra trichiura* Miers, 1877
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*Neoglyphea inopinata* (gills): off Malayatuwan Is., Philippines
- Nirmus fuligulae* Denny, 1852  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
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- Nitzschiella* sp. n.  
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arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Chalcophaps indica*: New Hebrides
- Nitzschiella Keler*, 1939  
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Goniodidae  
key, phylogenetic position
- Nitzschiella carrikeri* Tendeiro, illus.  
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- Nitzschiella hilli* (Bedford), illus.  
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- Nitzschielloides* Tendeiro, 1969  
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Goniodidae  
key, phylogenetic position
- Nitzschielloides campanulatus* Tendeiro, illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Noctiliostrebla aitkeni*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Noctilio leporinus*: Minas Gerais, Brazil
- Nosopon*  
Price, R. D., 1976, J. Kansas Entom. Soc., v. 49 (1), 23-26  
Menoponidae, key to species
- Nosopon australiensis* n. sp., illus.  
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key  
*Uroaetus audax*: Australia
- Nosopon casteli*  
Price, R. D., 1976, J. Kansas Entom. Soc., v. 49 (1), 23-26  
key
- Nosopon chanabensis*  
Price, R. D., 1976, J. Kansas Entom. Soc., v. 49 (1), 23-26  
key
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key
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key
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diagnosis, key, key to Australian species
- Nosopsyllus* Jordan  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key
- Nosopsyllus* sp.  
Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Entom. Mag., v. 3 (4), 63-66  
*Oryctolagus cuniculus*: Victoria
- Nosopsyllus consimilis* (Wagner, 1898)  
Farhang-Azad, A., 1973, J. Med. Entom., v. 10 (3), 273-276  
*Microtus socialis*: Moghan and 32 km E Meshkinshahar, Iran
- Nosopsyllus* (*Nosopsyllus*) *farahae* n. sp., illus.  
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*Microtus socialis*  
*Crocidura russula*  
all from 20 km S, 9 km W of Rezayeh, Iran



- Nosopsyllus fasciatus* (Bosc 1800)  
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*Apodemus flavicollis*  
*A. sylvaticus*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
*M. agrestis*  
*Mustela erminea*  
*M. nivalis*  
 all from Schleswig-Holstein
- Nosopsyllus fasciatus*  
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 survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Vulpes vulpes*  
*Martes foina*  
 all from Nord-Est de la France
- Nosopsyllus* (*Nosopsyllus*) *fasciatus* (Bosc d'Antic, 1801)  
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- Nosopsyllus fasciatus* (Bosc) 1801  
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- Nosopsyllus fasciatus* (Bosc.) 1801  
 Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, Biologia, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Nosopsyllus fasciatus* (Bosc, 1801), *illus.*  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis, syn.: *Pulex fasciatus*. Bosc, 1801  
 +mynah (nest): Victoria  
*Epimys rattus*: New South Wales; Tasmania  
*Rattus rattus*: Tasmania; Victoria  
*R. assimilis*: Victoria  
*R. lutreolus*: Tasmania  
*Epimys decumanus*: South Australia; Tasmania; New South Wales  
*E. norvegicus*: Victoria  
*Rattus norvegicus*: South Australia; Victoria  
 rat: New South Wales; Victoria; Tasmania  
*Hydromys chrysogaster*: South Australia  
*Oryctolagus cuniculus*: Victoria
- Nosopsyllus fasciatus* (Bosc.)  
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 seasonal variance  
*Clethrionomys glareolus*  
*Apodemus agrarius*  
*A. sylvaticus*  
 all from Gory Sowie
- Nosopsyllus fasciatus* (Bosc)  
 Hallas, T. E.; and Bang, P., 1976, Flora og Fauna, Kobenhavn, v. 82 (1), 11-18  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Apodemus agrarius*  
*Apodemus flavicollis*  
*Apodemus sylvaticus*  
 all from eastern Denmark
- Nosopsyllus fasciatus* (Bosc, 1800)  
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*Vulpes vulpes*: Österreich
- Nosopsyllus fasciatus* (Bosc.)  
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*Nosopsyllus fasciatus*, mating temporarily inhibited by chilling below 20° C, results suggest that either cooling destroyed attractiveness of the mating pheromone on female cuticle or an intermediate process (neuroendocrine) in production of a transient pheromone is switched off
- Nosopsyllus fasciatus*, *illus.*  
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- Nosopsyllus fasciatus* (Bosc.)  
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 Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 21-27  
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*Rattus norvegicus*  
*Mus musculus*  
 all from Carshalton
- Nosopsyllus fasciatus*  
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 Maus  
 Ratte
- N[osopsyllus] fasciatus*  
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*Apodemus sylvaticus*  
*Mus musculus*  
*Oryctolagus cuniculus*  
*Rattus norvegicus*  
 all from Isle of Man

- Nosopsyllus fasciatus* Bosc, 1801, illus.  
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 Glis glis: Alto Aragon
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 description  
*Rattus norvegicus*: Houston and Talladega  
 counties, Alabama
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- Nosopsyllus fasciatus* Bosc  
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*Apodemus flavicollis*  
*A. sylvaticus*  
*Clethrionomys glareolus*  
*Crocidura suaveolens*  
*Pitymys subterraneus*  
 all from Sopron and environments, west Hun-  
 gary
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 rabbits throughout Britain
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- Nosopsyllus incisus* (Jordan & Rothschild, 1913)  
 Smit, F. G. A. M., 1975, Rev. Zool. Africaine,  
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- Nosopsyllus* (N.) *londiniensis* (Rothschild 1903)  
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 ic distribution, ecology, sex ratio, epi-  
 demiological role, review: France
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 illus.  
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 synonymy, key, diagnosis  
*Tarsipes spenserae*: Western Australia  
*Sminthopsis crassicaudatus*: Victoria  
*Epimys rattus*: Tasmania  
*Rattus rattus*: Australian Capital Territory;  
 Tasmania  
*Pseudomys novaehollandiae*: Victoria  
*Mus musculus*: Australian Capital Territory;  
 New South Wales; Tasmania; Victoria  
 mouse: Victoria; New South Wales  
*Felis domestica*: Queensland
- Nosopsyllus londiniensis* (Rothschild)  
 Shepherd, R. C. H.; and Edmonds, J. W., 1976,  
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- Nosopsyllus simla* (Jordan & Rothschild, 1921)  
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- Nothoaspis reddelli* Keirans and Clifford, illus.  
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- Nothobomolochus chilensis* G. Avdeev, 1974  
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*Exocoetidae* g. sp. (gills): Pacific Ocean  
 coastal waters of Japan; Gulf of Carpentaria  
 (North Australia)
- Nothobomolochus cypseluri cypseluri* (Yamaguti,  
 1953), illus.  
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 (6), 12-30  
*Cypselurus* sp. (gills): Pacific Ocean  
 coastal waters of Japan
- Nothobomolochus cypseluri indica* subsp. n.,  
 illus.  
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 (6), 12-30  
*Cypselurus bachyensis* (gills): northern  
 part of Indian Ocean
- Nothobomolochus elegans* sp. n., illus.  
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 (6), 12-30  
*Scomberesox saurus* (gills): southeast part  
 of Pacific Ocean
- Nothobomolochus gibber* (Shiino, 1957), illus.  
 Avdeev, G. V., 1977, Biol. Moria, Vladivostok  
 (6), 12-30  
 description  
*Euleptorhamphus viridis* (gills): Timor Sea
- Nothobomolochus kanagurta* (Pillai, 1965)  
 Avdeev, G. V., 1977, Biol. Moria, Vladivostok  
 (6), 12-30  
 Syn.: *Bomolochus kanagurta* Pillai, 1965  
*Scomber japonicus* (gills): Gulf of Mannar  
 (Indian Ocean)
- Nothobomolochus ovalis* sp. n., illus.  
 Avdeev, G. V., 1977, Biol. Moria, Vladivostok  
 (6), 12-30  
*Signaus stellatus* (gills): Gulf of Mannar  
 (Indian Ocean)
- Nothobomolochus oxyporhamphi* sp. n., illus.  
 Avdeev, G. V., 1977, Biol. Moria, Vladivostok  
 (6), 12-30  
*Oxyporhamphus microptera* (gills): north  
 from Galapagos Islands
- Notiopsylla* Jordan and Rothschild  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
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 synonymy, key

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synonymy, diagnosis
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illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
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synonymy, diagnosis  
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*Puffinus griseus*  
*Larus dominicanus*  
all from Tasmania
- Notodelphyidae Allman, 1847  
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key to New Zealand genera, females  
includes: *Scolecimorpha*; *Doropygus*; *Pygo-*  
*delphys*
- Notoedres* sp.  
Lavoipierre, M. M. J., 1968, J. Med. Entom.,  
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*Crocidura fuliginosa*: Maxwell Hill Forest  
Reserve, Perak, Malaya
- Notoedres* sp. n.  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3),  
189-199  
arthropods ectoparasitic upon mammals and  
birds, factors affecting host specificity  
*Tadarida jobensis*: New Hebrides
- Notoedres* sp.  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-  
278  
*Rattus norvegicus*: Carshalton
- Notoedres alepis*  
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scabies, human, epidemiology, skin tests,  
cross reactions between *Notoedres alepis*  
and *Sarcoptes scabiei*, diagnostic value of  
tests
- Notoedres alexfaini* n. sp., illus.  
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causing severe mange  
*Cheiromeles torquatus*: Singapore
- Notoedres cati*  
Isenbuegel, E., 1976, Prakt. Tierarzt, v. 57,  
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Alugan  
Igel
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fenvinphos compounds (IPO-62, IPO-63)
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Sondernummer, 68-72  
parasites, possible transmission from small  
domestic animals to man, brief review
- Notoedres cati* (Hering, 1838)  
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*Notoedres cati* in *Acinonyx jubatus*, dermati-  
tis crustosa (head, neck, ears, and other  
parts of body), treatment with malathion
- Notoedres* (*Bakeracarus*) *coreanus* sp. n., illus.  
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724  
*Pipistrellus savii* (mucosa of the ventral  
turbinate in the nasal cavity): small aban-  
doned mining cave on a mountain 3 miles NE  
Mojindong, Sungdongku, Seoul, Korea
- Notoedres cuniculi*  
Patyk, S.; and Kliszewski, W., 1976, Med. Wet.,  
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ectoparasites, domestic animals, control  
with enolophosphates IPO-62 and IPO-63
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Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
*Lasionycteris noctivagans*: Fires Creek area,  
Nantahala Mountains, North Carolina
- Notoedres longisetosus* n. sp., illus.  
Lavoipierre, M. M. J., 1968, J. Med. Entom.,  
v. 5 (3), 313-319  
causing severe mange  
*Cheiromeles torquatus*: Singapore
- Notoedres muris*, illus.  
Dorrestein, G. M.; and van Bronswijk, J. E.  
M. H., 1977, Tijdschr. Diergeneesk., v. 102  
(12), 748-753  
*Trixacarus caviae*, guinea-pigs, clinical  
and histological features, morphological  
differentiation from *Sarcoptes scabiei* and  
*Notoedres muris*, transmission to humans
- Notoedres myotis*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
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*Myotis yumanensis* (lip): Big Bend National  
Park, Texas
- Notoedres pseudomuris* n. sp., illus.  
Lavoipierre, M. M. J., 1968, J. Med. Entom.,  
v. 5 (3), Aug. 1, 313-319  
*Mus formosanus*: Taichung Prefecture, Taiwan
- Notoedres rajamanickami* n. sp., illus.  
Lavoipierre, M. M. J., 1968, J. Med. Entom.,  
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*Cheiromeles torquatus*: Bukit Lagong Forest  
Reserve, Selangor, Malaya
- Numidilipeurus Tendeiro*, 1955  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H.  
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and subspecies, descriptions, illustrations,  
hosts, economic and epidemiological impor-  
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subgen. of *Amyrsidea*  
key, key to species, to of subgen.: *Amyrsidea* (*Numidimenopon*) *desousai* (Keler)
- Nuttalliella namaqua* Bedford, 1931, illus.  
Keirans, J. E.; et al., 1976, Ann. Entom. Soc. Am., v. 69 (5), 926-932  
redescription of female, scanning electron microscopy  
\**Hirundo abyssinica unitatis* (nest):  
Shinyanga District, Tanzania
- Nuttalliellidae*  
Keirans, J. E.; et al., 1976, Ann. Entom. Soc. Am., v. 69 (5), 926-932  
discussion of relationships within *Ixodoidea*
- Nycteribia allotopa* Speiser, 1901  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Miniopterus schreibersi*: Bukit Fraser, Selangor
- Nycteribia bakeri* Scott, 1932  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Hipposideros galeritus*  
*Miniopterus tristis*  
*M. medius*  
*M. australis*  
all from New Hebrides
- Nycteribia becki*, n. sp., illus.  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Myotis siligorensis*: Bukit Cheras Kuantan, Pahang
- Nycteribia kolenatii* Theodor et Moscona, 1954  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Nycteribia kolenatii* Theodor & Moscona, illus.  
Nowosad, A., 1975, Polskie Pismo Entom., v. 45 (2), 239-249  
*Nycteribia kolenatii*, morphological variation
- Nycteribia* (N.) *latreillii* (Leach, 1817)  
Hurka, K., 1976, Acta Entom. Bohemoslov., v. 73 (5), 343-347  
*Myotis blythi oxygnathus*: Osh region, Kirgizia
- Nycteribia* (*Acrocholidia*) *lindbergi* Aellen, 1959  
Hurka, K., 1976, Acta Entom. Bohemoslov., v. 73 (5), 343-347  
*Myotis blythi oxygnathus*: Osh region, Kirgizia
- Nycteribia parvula*  
Garnham, P. C. C., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 2-3 [Demonstration]  
*Miniopterus australis*: Gomanton Cave, Sabah
- Nycteribia parvula* Speiser, 1901  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Miniopterus medius*: Bukit Cheras, Pahang  
*M. schreibersi*: Mt. Perlis
- Nycteribia parvuloides* Theodor, 1963  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Miniopterus medius*  
*M. schreibersi*  
all from Bukit Cheras, Pahang
- Nycteribia pedicularia*, illus.  
Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 245-252  
*Rhinocephalus ferrum equinum*: Spain
- Nycteribia schmidli* Schiner, 1853  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Nycteribia schmidli*  
Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, Rev. Iber. Parasitol., v. 34 (3-4), 245-252  
*Rhinolophus ferrum equinum*: Spain
- Nycteribia schmidlii scotti* Falcoz 1923  
Adam, J. P.; and Landau, I., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 5-6 [Demonstration]  
*Miniopterus*  
*Rhinolophus*  
all from caves in Congo-Brazzaville
- Nycteribia triangularis* Theodor, 1967  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
unidentified bat: Selangor
- Nycteribia vexata* (Westwood, 1835)  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Nycteribosca modesta* Jobling, 1934  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
as syn. of *Brachytarsina modesta* (Jobling, 1934)
- Nycteribosca nigriceps* Jobling, 1934  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
as syn. of *Brachytarsina nigriceps* (Jobling, 1934)
- Nycteribosca parvior* Maa, 1962  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
as syn. of *Brachytarsina parvior* Maa, 1962

- Nycteridopsylla chapini* Jordan, 1929, illus.  
 Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
 discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Nycteridopsylla eusarca* Dampf, 1908, illus.  
 Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
 discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Nycteriglyphus* sp. A  
 Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
 winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*: Harmon County, southwestern Oklahoma
- Nycteriglyphus* n. sp.  
 Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Leptoncyteris nivalis*  
*Myotis yumanensis*  
*M. velifer*  
*Plecotus townsendii*  
 all from Big Bend National Park, Texas
- Nycterinastes* Brennan and Reed 1973  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in the Western Hemisphere
- Nycteronyssus*, n. gen.  
 Saunders, R. C.; and Yunker, C. E., 1973, J. Med. Entom., v. 10 (4), 381-384  
*Macronyssidae*, tod: *N. desmodus*, n. sp.
- Nycteronyssus desmodus*, n. sp., illus. (tod)  
 Saunders, R. C.; and Yunker, C. E., 1973, J. Med. Entom., v. 10 (4), 381-384  
*Desmodus youngi*: T. F. Amazonas, above Moracoy, W side Rio Manapiare, Venezuela
- Nycterophilina* n. sp.  
 Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Mormoops megalophylla*: Big Bend National Park, Texas

- Ochotonobius* Ioff, 1950  
Smit, F. G. A. M.; and Goff, M. L., 1975, *Senckenbergiana Biol.*, v. 56 (4-6), 247-256  
key
- Odontacarus* Ewing 1929  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Odontacarus apricus* Kudryashova sp. n., illus.  
Kudriashova, N. I.; Neronov, V. M.; and Farhang-Azad, A., 1976, *Biul. Moskov. Obshch. Ispyt. Prir., Otdel. Biol., n. s.*, v. 81 (3), 55-65  
*Meriones persicus*: 5 km. north and 20 km. east of Kerman, Iran
- Odontacarus brevicealcar*: Brennan & Jones, 1959  
Loomis, R. B.; and Goff, M. L., 1973, *J. Med. Entom.*, v. 10 (2), 113-117  
as syn. of *Xenodontacarus brevicealcar* (Brennan & Jones, 1954)
- Odontacarus dignus* Kudryashova sp. n., illus.  
Kudriashova, N. I.; Neronov, V. M.; and Farhang-Azad, A., 1976, *Biul. Moskov. Obshch. Ispyt. Prir., Otdel. Biol., n. s.*, v. 81 (3), 55-65  
*Meriones persicus*: Iran (16 km. north of Delidzhan, valley of the river Abe-Enarbar; 30 km. south of Isfakhan)
- Odontacarus efferus* Kudryashova sp. n., illus.  
Kudriashova, N. I.; Neronov, V. M.; and Farhang-Azad, A., 1976, *Biul. Moskov. Obshch. Ispyt. Prir., Otdel. Biol., n. s.*, v. 81 (3), 55-65  
*Nesokia indica*: valley of the river Karun, 3 km. from Shushter, Iran  
*Tatera indica*: 48 km. from Fes, beside Dzhekhruum, Iran
- Odontacarus kromani*, n. sp., illus.  
Goff, M. L.; and Loomis, R. B., 1973, *J. Med. Entom.*, v. 10 (4), 333-336  
*Neotoma lepida*: 21 km E Jacumba (in San Diego Co.), Imperial Co., California  
*Peromyscus crinitus*: 11 km N Canyon El Cajon, Sierra San Pedro Martir, Baja California Norte
- Odontacarus plumosus*: Brennan & Jones, 1959  
Loomis, R. B.; and Goff, M. L., 1973, *J. Med. Entom.*, v. 10 (2), 113-117  
as syn. of *Xenodontacarus plumosus* (Greenberg, 1951) n. comb.
- Odontacarus villosus*, n. sp., illus.  
Goff, M. L.; and Loomis, R. B., 1973, *J. Med. Entom.*, v. 10 (4), 333-336  
*Peromyscus boylii*  
*P. maniculatus*  
all from Plumas Co., California
- Odontomolgus mundulus* n. sp., illus.  
Humes, A. G., 1974, *Tr. Am. Micr. Soc.*, v. 93 (2), 153-162  
*Alveopora mortenseni*: east of Isle To N'du, near Noumea, New Caledonia  
*A. catalai*: Isle aux Serpents, west of Pte. Denouel, near Noumea, New Caledonia
- Odontopsyllus* Baker  
Sanford, L. G.; and Hays, K. L., 1974, *Bull. (458) Alabama Agric. Exper. Station*, 3-42  
brief description, key
- Odontopsyllus dentatus* (Baker)  
Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Sylvilagus nuttallii*: west of Rio Grande in and near Jemez Mts., New Mexico
- Odontopsyllus multispinosus*  
Harman, D. M.; and Chapman, J. A., 1977, *Proc. Pennsylvania Acad. Sc.*, v. 51 (1), 40-42  
*Cediopsylla simplex*, *Odontopsyllus multispinosus*, *Ixodes dentatus*, and *Haemaphysalis leporispalustris* on *Sylvilagus transitionalis*, seasonal distribution, sex and age of host: Tucker County, West Virginia
- Odontopsyllus multispinosus*  
Jacobson, H. A.; and Kirkpatrick, R. L., 1974, *J. Wildlife Dis.*, v. 10 (4), 384-391  
comparison of selected physiological measurements in untreated parasitized cottontail rabbits and those treated with 1-tetramisole hydrochloride and 2,2-dichlorovinyl, dimethyl phosphate: Montgomery County, Virginia
- Odontopsyllus multispinosus* (Baker), illus.  
Sanford, L. G.; and Hays, K. L., 1974, *Bull. (458) Alabama Agric. Exper. Station*, 3-42  
description  
*Procyon lotor*  
*Mustela vison*  
*Vulpes fulva*  
*Urocyon cinereoargenteus*  
*Lynx rufus*  
*Sylvilagus aquaticus*  
*S. floridanus*  
*Odocoileus virginianus*  
all from Alabama
- Odontopsylla multispinosus*  
Spieker, J. O.; and Yuill, T. M., 1976, *J. Wildlife Dis.*, v. 12 (3), 310-314  
*Sylvilagus floridanus*: Nevin Fish Hatchery grounds, Fitchburg, Wisconsin
- Oeciacus hirundinis*  
Borisova, V. I., 1975, *Biol. Nauk., Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR* (141), year 18, (9), 14-18  
nest ectoparasite specificity  
+[*Delichon urbica*] (nest)
- Oeciacus hirundinis* (Jenyns)  
Nash, D. R., 1976, *Entom. Rec. and J. Variation*, v. 88 (10), 265  
+house martin (nest): Croxton, near Thetford, Norfolk
- Oedemagena tarandi*  
Ivey, M. C.; Palmer, J. S.; and Washburn, R. H., 1976, *J. Econom. Entom.*, v. 69 (2), 260-262  
*Oedemagena tarandi*, intramuscular injections of famphur in reindeer, duration and deposition of drug residues



- Oedemagena tarandi*  
Low, W. A., 1976, *Canad. Field-Naturalist*,  
v. 90 (2), 189-191  
Rangifer tarandus caribou (subcutaneous in  
dorsal area): Tweedsmuir Provincial Park,  
British Columbia
- Oestromyia leporina*, illus.  
Rietschel, G., 1975, *Ztschr. Parasitenk.*,  
v. 47 (4), 283-297  
Oestromyia leporina, hatching, mode of in-  
fection of Microtus arvalis, larval develop-  
ment, migration within host, duration of lar-  
val stages, perforation of skin; partial  
immunization against new infection
- Oestromyia leporina* Pall., illus.  
Rietschel, G., 1975, *Ztschr. Parasitenk.*,  
v. 47 (4), 299-306  
Oestromyia leporina, laboratory maintenance,  
technique, copulation, egg maintenance, in-  
fection of host, shortening or omission of  
diapause by effect of light  
Apodemus flavicollis  
A. sylvaticus  
Mus musculus  
Rattus norvegicus  
Oryctolagus cuniculus  
Crocidura russula  
(exper. in all)
- Oestrus aureoargentatus* Rodhain & Bequaert  
Pester, F. R. N.; and Laurence, B. R., 1974,  
J. Zool., London, v. 174 (3), 397-406  
Alcelaphus buselaphus cokei  
Connochaetes taurinus  
all from Kenya
- Oestrus macdonaldi* Gedoelst  
Pester, F. R. N.; and Laurence, B. R., 1974,  
J. Zool., London, v. 174 (3), 397-406  
Alcelaphus buselaphus cokei: Kenya
- Oestrus ovis*  
Bouchet, A.; Dupre, J. J.; and Andrianjafy, G.,  
1974, *Rev. Elevage et Med. Vet. Pays Trop.*,  
n. s., v. 27 (3), 275-279  
Oestrus ovis, sheep, nitroxylin, only one  
treatment required
- Oestrus ovis*  
Bouchet, A.; Dupre, J. J.; and Rakotozanany,  
E., 1974, *Rev. Elevage et Med. Vet. Pays  
Trop.*, n. s., v. 27 (3), 281-284  
Oestrus ovis, sheep, rafoxanide, only one  
treatment required
- Oestrus ovis* L.  
Chhabra, M. B.; and Ruprah, N. S., 1976,  
Indian Vet. J., v. 53 (3), 180-184  
Oestrus ovis larvae, sheep, goats, survey,  
highest incidence in sheep, pupal period  
and longevity of adult O. ovis dependent  
upon temperature and humidity: abattoir at  
Hissar, Haryana
- Oestrus ovis*, illus.  
Freney, L. C.; and Fox, H. C., 1974, *Med. J.  
Australia*, v. 1 (9), 310-311  
human bilateral external ophthalmomyiasis  
caused by Oestrus ovis, first reported case  
in Queensland, Australia
- Oestrus ovis*, illus.  
Garcia-Valdecasas Soler, R., 1972, *Medicamenta*,  
Madrid (505), an. 30, v. 60, 363-367  
2 case reports of human ocular myiasis  
caused by Oestrus ovis with review of clinical  
aspects: Seville
- Oestrus ovis*  
Gonzalez, M. A., 1977, *Gac. Vet.*, Buenos  
Aires (322), v. 39, 389-393  
Oestrus ovis, sheep, symptoms of myiasis,  
localization of lesions, total numbers and  
size distribution of larvae collected,  
seasonal distribution, host age: packing  
houses, prov. Corrientes, dept. Mercedes,  
Argentina
- Oestrus ovis* Lin., illus.  
Hadani, A.; Rauchbach, K.; and Ilsar, M.,  
1975, *Refuah Vet.*, v. 32 (4), 96, 157-158  
man (eye): lower Galilee, above Lake of  
Kinereth
- Estrus ovis*, illus.  
Hennessy, D. J.; Sherrill, J. M.; and Binder,  
P. S., 1977, *Am. J. Ophth.*, Chicago, v. 84  
(6), 802-805  
Estrus ovis causing conjunctival myiasis in  
young girl who had recently camped near area  
inhabited by sheep and cattle, clinical case  
report; light and scanning electron micros-  
copy of larva isolated from eye: beach on  
Catalina Island, California
- Oestrus ovis*  
Holm, G.; Alderin, A.; and Gyllerup, C., 1976,  
Svensk Vet.-Tidn., v. 28 (13-14), 614-615  
Oestrus ovis, brief description of 50 cases  
in sheep
- Oestrus ovis*  
Horak, I. G.; Honer, M. R.; and Schroeder,  
J., 1976, J. South African Vet. Ass., v. 47  
(4), 247-251  
helminths and Oestrus ovis, merino sheep,  
treated at four-weekly intervals or strate-  
gically, live mass gains, wool production  
and fecal worm egg counts, compared with  
untreated controls: Eastern Transvaal High-  
veld
- Oestrus ovis* (Linnaeus)  
Iwuala, M. O. E.; and Onyeka, J. O. A., 1977,  
Environment. Entom., v. 6 (1), 43-49  
survey of domestic fly population, distri-  
bution patterns, diurnal and seasonal vari-  
ations: Nsukka, East Central State, Nigeria
- Oestrus ovis*, illus.  
Kulkarni, M. G.; et al., 1974, J. Mysore Med.  
Ass., v. 39, 31-32  
external infestation of human eye, case re-  
ports, medical management: India
- Oestrus ovis*  
Misra, S. C.; Mohapatra, G. S.; and Sahoo, B.,  
1976, *Food Farm. and Agric.*, v. 7 (10), 39-41  
prevalence of infestation  
sheep  
goats  
all from Orissa

- Oestrus ovis*  
Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 99-102  
*Ovis aries*: Chile
- Oestrus ovis*, *illus.*  
Shcherban, N. F., 1976, [Ovine oestrosis], 136 pp., *illus.*  
*Oestrus ovis*, sheep, life cycle, pathology, diagnosis, economic importance, treatment and control; veterinary handbook
- Oestrus ovis* L.  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Ovis aries*: Hissar and suburbs, India
- Oestrus ovis*  
Steele, J. H.; et al., 1976, Internat. J. Zoonoses, v. 3 (2), 65-76  
*Echinococcus granulosus*, *Oestrus ovis*, zoonoses, public health, past and present: Cyprus
- Oestrus ovis*, *illus.*  
Szazados, I.; and Takacs, J., 1976, Magy. Allat. Lapja, v. 98, v. 31 (10), 671-673  
parasites of sheep, importance in meat inspection
- Oestrus ovis* L., *illus.*  
Yepez, M. S.; and Gallardo Z., M. F., 1972, Rev. Med. Vet. y Parasitol., Maracay, v. 24 (1-8), 1971-1972, 103-108  
ovinos  
caprinos  
(senos nasales y frontales of all): all from Estado Lara, Venezuela
- Oestrus variolosus* Loew.  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
*Alcelaphus buselaphus cokei*: Kenya
- Oestrus variolosus*, larvae  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
*Damaliscus dorcas phillipsi* (nasal cavities, frontal sinuses): Mountain Zebra National Park
- Olavidocarpus* sp.  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*: Harmon County, southwestern Oklahoma
- Olavidocarpus guyanensis* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 330-332  
*Peropertyx kappleri*: Guyane Francaise
- Olavidocarpus kelantanensis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Tadarida johorensis*: Pulau, Kelantan, Malaya
- Olavidocarpus nycteris* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Nycteris hispida*: Karawa, Zaire
- Olavidocarpus nyctinomus* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Nyctinomus laticaudatus*: Sapucay, Paraguay
- Olavidocarpus orientalis* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Myotis (Leuconoe) adversus moluccarum*: Aore Is., Nouvelles-Hebrides
- Olavidocarpus taphozous* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Taphozous (Saccolaimus) peli*: Omaniumdu
- Olavidocarpus triaenops* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Triaenops afer*: Ambone Cave, Tanzanie
- Olencira praegustator* Latrobe  
Lindsay, J. A.; and Moran, R. L., 1976, Tr. Am. Fish. Soc., v. 105 (2), 327-332  
*Lironeca ovalis*, *Olencira praegustator*, incidence, attachment, various fish species  
*Brevoortia tyrannus* (buccal cavity)  
*Leiostomus xanthurus* (gill cavity)  
all from Delaware River Estuary
- Olfersia aenescens* C. G. Thomson 1869  
Maa, T. C., 1968, J. Med. Entom., v. 5 (3), Aug., 325-328  
*Diomedea nigripes*: French Frigate Shoals  
*D. immutabilis*: " " "  
*Puffinus pacificus*: Central Pacific  
*P. nativitatis*: Phoenix Island  
*Pterodroma alba*: " "  
*Phaethon rubricauda*: French Frigate Shoals; Green Island; Birnie Island; Phoenix Island  
*Sula sula*: French Frigate Shoals; Kilauea Point, Kauai Island; Phoenix Island; Palmyra Island  
*Sula leucogaster*: Aradojairik Island; Erikub Island  
*Sula dactylatra*: Howland Island; Central Pacific Ocean  
*Fregata minor*: Sand Island  
*Pluvialis dominica*: Central Pacific  
*Sterna fuscata*: French Frigate Shoals; Laysan Island; Sand Island; Spam Island; Palmyra Island; Hawaii Islands, Moku Manu Island  
*Anous stolidus*: Aradojairik Island; Taka Island; Hull Island; Phoenix Island; Spam Island; Takelau Island, Nukonono; Hawaii Islands, Moku Manu Island  
*A. tenuirostris*: Loj Island; Maiana Island; Birnie Island; Hull Island  
*Stercorarius pomarinus*: Central Pacific human: Palmyra Island  
+*Sula* (nests): Hawaii Islands, Moku Manu Island

- Olfersia spinifera* (Leach 1817)  
Maa, T. C., 1968, J. Med. Entom., v. 5 (3), Aug., 325-328  
Puffinus pacificus: Sand Island  
Phaethon rubricauda: Sand Island  
Sula sula: Phoenix Island  
Fregata ariel: McKean Island  
F. minor: Eastern Island; French Frigate Shoals; Green Island; Laysan Island; Lisianski Island; Nihoa Island; Pearl and Hermes Reef; Sand Island; Howland Island; McKean Island; Phoenix Island;  
Sterna fuscata: Sand Island; Phoenix Island  
+Anous stolidus (nests): Sand Island  
human: McKean Island  
no host record: Wake Island
- Oniscus eremita* Brunnich, 1783  
Trilles, J.-P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 977-993  
as syn. of *Cymothoa eremita* (Brunnich, 1783)  
Schioedte et Meinert, 1884
- Oniscus oestrum* Linnaeus, 1758  
Trilles, J.-P.; and Vala, J.-C., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (318), Zool. (225), 967-976  
as syn. of *Cymothoa oestrum* (L., 1758) Fabricius, 1793
- Oniscus physodes* Linne, 1758  
Trilles, J. P., 1975, Bull. Mus. National Hist. Nat., Paris, 3. s. (290), Zool. (200), 347-377  
as syn. of *Anilocra physodes* (L., 1758)
- Ophionyssus natricis*  
Gabrisch, K., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 37-40  
parasites of reptiles, diagnosis, treatment, brief review
- Ophthalmophagus striatus* (Crossley) 1952  
Pence, D. B.; and Casto, S. D., 1976, J. Parasitol., v. 62 (3), 466-469  
Columbigallina passerina: near Millett, La Salle County, Texas
- Ophthalmopsylla arnoldi*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
Allactaga williamsi: Armenia
- Ophthalmopsylla* (O.) kukuschkini Ioff  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
Citellus undulatus: Tuva
- Ophthalmopsylla* (Ophthalmopsylla) praefecta ecphora Labunetz  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
Citellus undulatus: Tuva
- Ophthalmopsylla* (O.) praefecta pernix Iord  
Letov, G. S.; and Letova, G. I., 1973, Zool. Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
Citellus undulatus: Tuva
- Ophthalmopsylla volgensis* Wagn. et Joff  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transural plague focus  
Meriones tamariscinus  
M. meridianus  
all from northeastern part of Caspian lowland
- Opisocrostis* sp.  
Croft, R. E.; and Kingston, N., 1975, J. Wildlife Dis., v. 11 (2), 229-233  
Falco mexicanus: Wyoming
- Opisocrostis bruneri* (Baker)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
Microtus pennsylvanicus: Parkside, Wisconsin
- Opisocrostis hirsutus* (Baker)  
Bennett, W. C.; et al., 1975, J. Med. Entom., v. 12 (3), 354-358  
Opisocrostis hirsutus, control in prairie dog burrows with dichlorvos vapor from pellets, considerable promise for practical application in controlling flea plague vectors
- Opisocrostis hirsutus* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
Cynomys gunnisoni: west of Rio Grande in and near Jemez Mts., New Mexico
- Opisocrostis hirsutus*  
Tyler, J. D.; and Buscher, H. N., 1975, Proc. Oklahoma Acad. Sc., v. 55, 166-168  
Cynomys ludovicianus: Oklahoma
- Opisocrostis tuberculatus* (Baker)  
Haas, G. E., 1973, Am. Midland Naturalist, v. 90 (1), 246-252  
morphological variations: New Mexico
- Opisocrostis tuberculatus* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
Cynomys gunnisoni: west of Rio Grande in and near Jemez Mts., New Mexico



- Opisocrostis washingtonensis* Good & Prince  
O'Farrell, T. P., 1975, Am. Midland Naturalist, v. 93 (2), 377-387  
Spermophilus townsendii: Arid Lands Ecology Reserve, Benton County, Washington
- Opisodasys keeni*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
*Microtus longicaudus latus*  
all from western Utah
- Opisodasys keeni*  
Nelson, B. C.; and Smith, C. R., 1976, J. Med. Entom., v. 13 (1), 51-61  
*Peromyscus maniculatus*  
*P. crinitus*  
all from Lava Beds National Monument, California
- Opisodasys keeni* (Baker)  
O'Farrell, T. P., 1975, Am. Midland Naturalist, v. 93 (2), 377-387  
*Peromyscus maniculatus*: Arid Lands Ecology Reserve, Benton County, Washington
- Opisodasys keeni nesiotus*  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Spermophilus beecheyi*  
*Reithrodontomys megalotis*  
*Peromyscus californicus*  
*P. maniculatus*  
*P. truei*  
*Neotoma fuscipes*  
all from Fort Ord, California
- Opisodasys robustus* (Jordan)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Sciurus aberti*: west of Rio Grande in and near Jemez Mts., New Mexico
- Opisodasys vespertalis* (Jordan)  
Wilson, N.; and Bull, E. L., 1977, Bird-Banding, v. 48 (2), 171-173  
+squirrel (nest): Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Orchopeas* Jordan  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key, key to known Alabama species
- Orchopeas* sp. novum  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
key  
*Neotoma floridana illinoensis*: Barbour County, Alabama
- Orchopeas caedens caedens* (Jordan)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
+*Eutamias minimus* (nest)  
*Tamiasciurus hudsonicus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Orchopeas caedens caedens* (Jordan)  
Wilson, N.; and Bull, E. L., 1977, Bird-Banding, v. 48 (2), 171-173  
+squirrel (nest): Starkey Experimental Forest, 35-40 km southwest of La Grande, Union Co., Oregon
- Orchopeas fulleri* Traub, illus.  
Haas, G. E., 1973, Am. Midland Naturalist, v. 90 (1), 246-252  
morphological variations  
*Sciurus arizonensis*: Glenwood, Catron Co., New Mexico
- Orchopeas howardi* (Baker)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Tamias striatus*: Parkside, Wisconsin  
*Sciurus niger*: Kenosha City, Wisconsin  
*S. carolinensis*: Kenosha City and Adams Co., Wisconsin
- Orchopeas howardii* (Baker), illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
description, key  
*Procyon lotor*  
*Didelphis virginiana*  
*Mustela vison*  
*Mephitis mephitis*  
*Sciurus carolinensis*  
*S. niger*  
*Glaucomys volans*  
*Peromyscus* sp.  
*P. gossypinus*  
*Sigmodon hispidus*  
all from Alabama
- Orchopeas howardi*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
*Sciurus niger*  
*S. carolinensis*  
all from Indiana
- Orchopeas h. howardii* (Baker), illus.  
Amin, O. M.; and Sewell, R. G., 1977, Am. Midland Nat., v. 98 (1), 207-212  
*Orchopeas h. howardii*, *Megabothris acerbus*, numerical and structural variations of pronotal spines; field sex ratios of both flea species were closely related to the ratio of mean number of pronotal spines in females/males which supports proposed function of pronotal combs in locking onto host hairs and their suggested contribution in affecting sex ratio
- Orchopeas h. howardi*  
Vaughan, J. A., 1977, Entom. Month. Mag. (1340-1343), v. 112, 1976, 45-48  
straggler fleas on rabbits, *Oryctolagus cuniculus*, from Surrey and on myxomatous rabbits throughout Britain

- Orchopeas leucopus* (Baker)  
Amin, O. M., 1973, *J. Med. Entom.*, v. 10 (1), 110-111  
    *Tamias striatus*  
    *Microtus pennsylvanicus*  
    *Peromyscus leucopus*  
    all from Parkside Wisconsin
- Orchopeas leucopus*  
Basolo, F., jr.; and Funk, R. C., 1974, *Tr. Illinois State Acad. Sc.*, v. 67 (2), 211-221  
    *Peromyscus leucopus noveboracensis*: Coles County, Illinois
- Orchopeas leucopus*  
Buckner, R. L.; and Gleason, L. N., 1974, *Tr. Kentucky Acad. Sc.*, v. 35 (3-4), 70-75  
    seasonal occurrences  
    *Microtus ochrogaster*  
    *Peromyscus leucopus*  
    all from Warren County, Kentucky
- Orchopeas leucopus*  
Egoscue, H. J., 1976, *Great Basin Nat.*, v. 36 (4), 475-480  
    fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
    *Peromyscus maniculatus sonoriensis*  
    *Peromyscus crinitus pergracilis*  
    *Neotoma lepida lepida*  
    all from western Utah
- Orchopeas leucopus* (Baker)  
Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
    fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
    *Reithrodontomys megalotis*  
    *Peromyscus maniculatus*  
    *P. leucopus*  
    *P. truei*  
    all from west of Rio Grande in and near Jemez Mts., New Mexico
- Orchopeas leucopus*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
    *Peromyscus leucopus*  
    *P. maniculatus*  
    all from Fires Creek area, Nantahala Mountains, North Carolina
- Orchopeas leucopus*  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, *Proc. Indiana Acad. Sc.*, v. 85, 1975, 431-436  
    *Sciurus niger*: Indiana
- Orchopeas neotomae* Augustson  
Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
    fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
    +*Tamiasciurus hudsonicus* (nest)  
    *Peromyscus maniculatus*  
    *P. truei*  
    *Neotoma mexicana*  
    *N. cinerea*  
    all from west of Rio Grande in and near Jemez Mts., New Mexico
- Orchopeas sexdentatus*  
Coultrip, R. L.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 303-309  
    fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
    *Didelphis marsupialis*  
    *Peromyscus californicus*  
    *Neotoma fuscipes*  
    *Urocyon cinereoargenteus*  
    *Spilogale putorius*  
    all from Fort Ord, California
- Orchopeas sexdentatus*  
Egoscue, H. J., 1976, *Great Basin Nat.*, v. 36 (4), 475-480  
    fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
    *Peromyscus maniculatus sonoriensis*  
    *Peromyscus crinitus pergracilis*  
    *Neotoma lepida lepida*  
    all from western Utah
- Orchopeas sexdentatus* (Baker)  
Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
    fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
    +*Tamiasciurus hudsonicus*  
    *Neotoma mexicana*  
    *N. cinerea*  
    all from west of Rio Grande in and near Jemez Mts., New Mexico
- Orchopeas sexdentatus*  
Nelson, B. C.; and Smith, C. R., 1976, *J. Med. Entom.*, v. 13 (1), 51-61  
    *Neotoma cinerea*: Lava Beds National Monument, California
- Orchopeas sexdentatus agilis* (Rothschild)  
O'Farrell, T. P., 1975, *Am. Midland Naturalist*, v. 93 (2), 377-387  
    *Neotoma cinerea*: Arid Lands Ecology Reserve, Benton County, Washington
- Orchopeas sexdentatus pennsylvanicus* (Jordan), illus.  
Sanford, L. G.; and Hays, K. L., 1974, *Bull. (458) Alabama Agric. Exper. Station*, 3-42  
    description, key  
    *Neotoma floridana magister*: Jackson County, Alabama
- Orcilana hansenii* Nierstrasz 1931  
Monod, T., 1975, *Bull. Mus. National Hist. Nat.*, Paris, 3. s. (319), *Zool.* (226), 999-1004  
    as syn. of *Argathona macronema* (Bleeker, 1857)
- Oribella* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, *Tr. Illinois State Acad. Sc.*, v. 67 (2), 211-221  
    *Microtus ochrogaster ochrogaster*: Coles County, Illinois
- Ornithobius anseris* Gurlt, 1842  
Martin Mateo, M. P., 1975, *Rev. Iber. Parasitol.*, v. 35 (1-2), 41-79  
    as syn. of *Anaticola anseris* (Linne, 1758)

- Ornithobius goniopleurus* Denny  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Branta canadensis*: Dodge County, Wisconsin
- Ornithoetona australasiae* (Fabricius, 1805)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Halcyon chloris*  
*Turdus poliocephalus*  
all from New Hebrides
- Ornithoetona australasiae* (Fabricius, 1805)  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Synonymy  
?Pyrrhula nipalensis  
*Coracina novaehollandiae*  
human  
all from Malaya
- Ornithoetona plicata* (von Olfers, 1816)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Anas superciliosa*  
*Rallus philippensis*  
*Ducula pacifica*  
*Chalcophaps indica*  
*Tyto alba*  
all from New Hebrides
- Ornithodoros* spp.  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Lonchorhina orinocensis*  
*Molossus ater*  
*Peropertyx trinitatis*  
*Tadarida gracilis*  
*Trachops cirrhosus*  
*Proechimys guyannensis*  
*Neoplatymops mattogrossensis*  
*Desmodus rotundus*  
*Proechimys semispinosus*  
*Leptonycteris curasoae*  
*Marmosa robinsoni*  
*Rhipidomys venezuelae*  
*Saccolaryx bilineata*  
*Pteronotus parnellii*  
*Zygodontomys brevicauda*  
*Diphylla ecaudata*  
*Myotis nigricans*  
*Noctilio leporinus*  
*Oryzomys albigularis*  
lizard  
*Pteronotus davyi*  
*Sturnira lilium*  
*Peropertyx macrotis*  
all from Venezuela
- Ornithodoros* [sp.], probably azteci  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Peropertyx macrotis*  
*Carollia perspicillata*  
all from Venezuela
- Ornithodoros* [sp.], probably boliviensis  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Molossops planirostris*  
*Molossus ater*  
*Mimon crenulatum*  
all from Venezuela
- Ornithodoros* [sp.], near puertoricensis  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Sylvilagus floridanus*: Venezuela
- Ornithodoros* sp.  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*  
*Plecotus townsendii*  
all from Harmon County, southwestern Oklahoma
- Ornithodoros* sp.  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Euderma maculatum*: Big Bend National Park, Texas
- Ornithodoros* [sp.]  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Histiotes velatus*: Minas Gerais, Brazil
- Ornithodoros* (*Alectorobius*) *azteci* Matheson, 1935  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy  
*Carollia perspicillata*  
*Peropertyx macrotis*  
*Lonchorhina aurita*  
*Peropertyx kappleri*  
*Glossophaga longirostris*  
*Artibeus jamaicensis*  
*Zygodontomys brevicauda*  
*Glossophaga soricina*  
*Phyllostomus hastatus*  
*Desmodus rotundus*  
*Trachops cirrhosus*  
*Carollia* sp.  
*Artibeus* sp. D  
*Macrophyllum macrophyllum*  
all from Venezuela
- Ornithodoros batensis*, *illus.*  
Stillier, D.; and Ranchitham, S. T., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 445-447 [Demonstration]  
production of cement substance at site of attachment by *Argas pusillus* larvae; no production of cement substance noted with *Ornithodoros batensis*
- Ornithodoros* (*Alectorobius*) *boliviensis* Kohls & Clifford, 1964  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Eptesicus brasiliensis*  
*Molossus ater*  
*Molossus bondae*  
*Noctilio leporinus*  
all from Venezuela



- Ornithodoros brodyi* Matheson, 1935  
Cerny, V., 1969, Torreia, n. s. (21), 3-8  
Eptesicus fuscus dutertreus: Cuba
- Ornithodoros (Alectorobius) brodyi* Matheson, 1935  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Carollia perspicillata  
Carollia sp.  
Lonchorhina aurita  
all from Venezuela
- Ornithodoros canestrinii*  
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
Argasidae spp., Ixodidae spp., in vitro spermiogenesis
- Ornithodoros capensis*  
Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 332-339  
tick distribution, influence of sea bird movement: Central Pacific
- Ornithodoros capensis* Neumann  
Carley, J. G.; Standfast, H. A.; and Kay, B. H., 1973, J. Med. Entom., v. 10 (3), 244-249  
*Ornithodoros capensis*, isolation of Johnston Atoll and Upolu viruses, viruses from ticks failed to multiply in mosquitoes: Australia
- Ornithodoros (Alectorobius) capensis*  
Converse, J. D.; et al., 1975, Am. J. Trop. Med. and Hyg., v. 24 (6, pt. 1), 1010-1018  
vectors, Soldado virus  
Sterna fuscata nubilosa  
Phaethon l. lepturus  
Sula dactylatra melanops  
Anous stolidus pileatus  
humans  
+Sterna dougallii arideensis (nest)  
+Sula leucogaster plotus (nest)  
all from Seychelles, Indian Ocean
- Ornithodoros capensis* Neumann  
Heath, A. C. G., 1977, Tuatara, v. 23 (1), 26-39  
zoogeography of the New Zealand tick fauna, possible origins, collection and preservation
- Ornithodoros capensis* group (either *O. capensis* or *O. denmarki*)  
Jonkers, A. H.; et al., 1973, J. Med. Entom., v. 10 (5), 517-519  
either *Ornithodoros capensis* or *O. denmarki*, isolation of Soldado virus, Anous stolidus: Soldado Rock, Trinidad
- Ornithodoros capensis*  
Lvov, D. K.; et al., 1975, Med. Biol., v. 53 (5), 325-330  
review of tick-borne viruses found in bird colonies  
Larus argentatus: USSR
- Ornithodoros capensis* (Neumann)  
Ross, R. W., 1971, Proc. Univ. Otago Med. School, v. 49 (2), July, 38-40  
*Ornithodoros capensis* (exper.), long survival period of Whataroa virus in native ticks suggests that this tick may play a natural part in the ecology of the virus in New Zealand
- Ornithodoros capensis*  
St. George, T. D.; et al., 1977, Austral. J. Exper. Biol. and Med. Sc., v. 55 (5), 493-499  
isolation of new flavivirus  
+Sterna fuscata (nest): Saumarez Reef and Frederick Reef, east coast of Queensland, Australia
- Ornithodoros capensis* group near denmarki  
Yunker, C. E., 1975, Med. Biol., v. 53 (5), 302-311  
review of tick-borne viruses associated with seabirds in North America and near-by islands
- Ornithodoros concanensis*  
Croft, R. E.; and Kingston, N., 1975, J. Wildlife Dis., v. 11 (2), 229-233  
Falco mexicanus: Wyoming
- Ornithodoros concanensis*  
Howell, F. G.; and Chapman, B. R., 1976, Southwest. Nat., v. 21 (3), 275-280  
Petrochelidon pyrrhonota: northwestern Texas
- Ornithodoros concanensis*  
Webb, J. P., jr.; George, J. E.; and Cook, B., 1977, Nature, London (5593), v. 265, 443-444  
*Ornithodoros concanensis* makes use of vocal sound of Petrochelidon pyrrhonota as a cue in its host-finding behavior
- Ornithodoros coniceps*  
Lvov, D. K.; et al., 1975, Med. Biol., v. 53 (5), 325-330  
review of tick-borne viruses found in bird colonies  
Larus argentatus; L. genei; Sterna sandvicensis; S. hirundo; Columba livia; Passer domesticus: all from USSR
- Ornithodoros coriaceus*  
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
Argasidae spp., Ixodidae spp., in vitro spermiogenesis
- Ornithodoros coriaceus*  
Wada, E. M.; et al., 1976, Am. J. Vet. Research, v. 37 (10), 1201-1206  
*Ornithodoros coriaceus*, virus isolated from ticks and tick-exposed cattle
- Ornithodoros delanoei*, illus.  
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
Argasidae spp., Ixodidae spp., in vitro spermiogenesis

- Ornithodoros denmarki*  
Amerson, A. B., jr., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 332-339  
tick distribution, influence of sea bird movement: Central Pacific  
+*Anous stolidus* (nests)  
+*Sterna fuscata* (nest)  
+*Puffinus pacificus* (nest)  
all from Sand Island, Johnston Atoll
- Ornithodoros denmarki*  
Yunker, C. E., 1975, Med. Biol., v. 53 (5), 302-311  
review of tick-borne viruses associated with seabirds in North America and near-by islands
- Ornithodoros (Alectorobius) echimys* Kohls, Clifford, and Jones, 1969  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Echimys semivillosus*: Venezuela
- Ornithodoros (Alectorobius) eptesicus* Kohls, Clifford, and Jones, 1969  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Eptesicus montosus*: Venezuela
- Ornithodoros erraticus*  
Bain, O.; and Quentin, J. C., 1977, Ann. Parasitol., v. 52 (5), 569-575  
*Dipetalonema weissi*, adult morphology, larval development in *Ornithodoros erraticus* (exper.), comparison with *D. viteae*
- Ornithodoros erraticus*  
Gunders, A. E., 1974, J. Protozool., v. 21 (3), 464 [Abstract]  
failure of *Ornithodoros erraticus* to transmit *Nuttallia meri* transovarially
- Ornithodoros erraticus*  
Gunders, A. E., 1974, J. Protozool., v. 21 (3), 464 [Abstract]  
*Nuttallia meri*, transmission through bites of *Ornithodoros erraticus* up to 225 days after field collection of the ticks, ability to transmit on more than one occasion
- Ornithodoros erraticus*  
Gunders, A. E., 1974, J. Protozool., v. 21 (3), 464-465 [Abstract]  
*Nuttallia meri*, transmission by laboratory-infected *Ornithodoros erraticus*, results suggest that only a proportion of clean ticks ever become infected after exposure
- Ornithodoros erraticus*, ill.  
Gunders, A. E., 1977, Experientia, v. 33 (7), 892-893  
*Nuttallia meri*, infective forms first appear as spindle-shaped sporozoites in and around salivary glands of *Ornithodoros erraticus* 30 days after ticks had fed on infected blood (*Psammomys obesus* or hamsters)
- Ornithodoros erraticus*  
Gunders, A. E.; and Hadani, A., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 536-538  
*Nuttallia meri*, transmission to *Psammomys obesus* by field-collected *Ornithodoros erraticus* (both by intraperitoneal injection of triturated ticks and by bite), believed to be first recorded transmission of mammalian piroplasm by argasid tick: Jordan Valley
- Ornithodoros erraticus*  
Gunders, A. E.; and Hadani, A., 1974, Nature (5438), v. 247, 225-226  
*Nuttallia meri*, demonstration of transmission to *Psammomys obesus* by bite of field-collected *Ornithodoros erraticus*
- Ornithodoros gurneyi*, ill.  
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
*Argasidae* spp., *Ixodidae* spp., in vitro spermiogenesis
- Ornithodoros gurneyi* Warburton, 1926  
Doube, B. M., 1975, J. Med. Entom., v. 12 (1), 15-22  
*Ornithodoros gurneyi*, rats (exper.), regulation of circadian rhythms controlling time of detachment of engorged larvae and nymphs, relevance to tick ecology
- Ornithodoros (Pavlovskyella) gurneyi* Warburton  
Doube, B. M., 1976, J. Austral. Entom. Soc., v. 14 (4), 329-332  
two biological-physiological races, cave race and plains race, size differences, plains race successfully raised in laboratory, cave race difficult to maintain, limited cross fertilization experiments produced viable larvae: Australia
- Ornithodoros gurneyi*  
Doube, B. M.; and Heath, A. C. G., 1975, J. Med. Entom., v. 12 (4), 443-447  
*Rattus rattus* (exper.)
- Ornithodoros gurneyi*, ill.  
Feldman-Muhsam, B.; and Filshie, B. K., 1976, Tissue and Cell, v. 8 (3), 411-419  
*Ornithodoros gurneyi*, *O. tholozani*, spermiophores, scanning and transmission electron microscopy, possible explanation of motility
- Ornithodoros (Alectorobius) hasei* (Schulze, 1935)  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy  
*Noctilio labialis*: Venezuela  
*Noctilio leporinus*: Venezuela  
*Lonchorhina orinocensis*: Venezuela  
*Glossophaga longirostris*: Venezuela  
*Tadarida gracilis*: Venezuela  
*Desmodus rotundus*: Venezuela  
*Molossus ater*: Venezuela  
*Artibeus jamaicensis*: Venezuela  
*Molossus bondae*: Venezuela  
*Phyllostomus hastatus*: Venezuela  
*Sturnira lilium*: Venezuela  
*Akodon urichi*: Venezuela  
*Chiroderma salvini*: Venezuela  
*Mormoops megalophylla*: Venezuela  
*Myotis albesens*: Venezuela  
*Carollia* sp.: Venezuela  
*Uroderma magnirostrum*: Venezuela  
*Carollia perspicillata*: Venezuela  
*Neoplatymops mattogrossensis*: Venezuela  
*Rhogeessa tumida*: Venezuela  
*Mimon crenulatum*: Venezuela  
*Peropteryx* sp.: Venezuela  
*Rhogeessa minutilla*: Venezuela  
bats: Guatemala; Peru; Colombia; Dominica; Uruguay; St. Croix; Dominican Republic

- Ornithodoros hermsi*  
Boyer, K. M.; et al., 1977, *Am. J. Epidemiol.*, v. 105 (5), 469-479  
*Ornithodoros hermsi* implicated as vector of relapsing fever in interstate outbreak originating at Grand Canyon National Park, North Rim area, Arizona
- Ornithodoros kelleyi* Cooley y Kohls, 1941  
Cerny, V., 1969, *Torreia*, n. s. (21), 3-8  
*Eptesicus fuscus dutertrei*: Cuba
- Ornithodoros kelleyi* (?)  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Antrozous pallidus*: Big Bend National Park, Texas
- Ornithodoros (Subparmatous) marinkellei* Kohls, Clifford, & Jones, 1969  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
*Pteronotus psilotis*: Venezuela
- Ornithodoros (Alectorobius) maritimus*, illus.  
Hoogstraal, H.; et al., 1976, *J. Parasitol.*, v. 62 (5), 799-810  
*Ornithodoros maritimus*, redescription of larva, first description of nymph, male, and female; isolation of Soldado virus, review of West Nile virus experimental studies  
*Sterna* sp.: Dumet Island, Basse Bretagne, France  
*Larus argentatus michahellis*: Aegimures Islands, Zembra Island, Tunisia  
+*Egretta g. garzetta* (under stones in nesting area): Chikli Island, Lake Tunis, Tunisia  
+*Larus a. argentatus* (under stones in nesting area): Puffin Island, Wales, Britain  
+*Uria aalge albionis* (under stones in nesting area): Great Saltee Island, Ireland  
+*Rissa t. tridactyla* (under stones in nesting area): Great Saltee Island, Ireland  
+*Alca torda islandica* (under stones in nesting area): Great Saltee Island, Ireland  
+*Phalacrocorax a. aristotelis* (under stones in nesting area): Great Saltee Island, Ireland
- Ornithodoros (Alectorobius) maritimus*  
Keirans, J. E.; et al., 1976, *Experientia*, v. 32 (4), 453-454  
isolation of Soldado-like virus (Hughes group) from *Ornithodoros maritimus*: Great Saltee Island, Ireland
- Ornithodoros (Alectorobius) marmosae* Jones & Clifford, 1972  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
*Marmosa robinsoni*  
*Oryzomys concolor*  
all from Venezuela
- Ornithodoros mormoops* (probably)  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Mormoops megalophylla*: Big Bend National Park, Texas
- Ornithodoros moubata*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, *Zool. Zhurnal*, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Ornithodoros moubata*  
Bassal, T. T. M., 1973, *J. Med. Entom.*, v. 10 (2), 228  
*Dermacentor andersoni*, *Ornithodoros moubata*, *O. savignyi*, hemolymph, use of silicic acid chromatograms to detect microamounts of trehalose and other sugars
- Ornithodoros moubata*  
Borut, S.; and Feldman-Muhsam, B., 1976, *J. Parasitol.*, v. 62 (2), 318-320  
*Argasidae* spp., *Ixodidae* spp., in vitro spermiogenesis
- Ornithodoros moubata* (Murray)  
Hood, S.; Edelsten, R. M.; and Branagan, D., 1976, *Trop. Animal Health and Prod.*, v. 8 (3), 163-167  
laboratory maintenance of *Ornithodoros moubata* on embryonated hen eggs, advantages over alternative methods
- Ornithodoros moubata*  
Krinsky, W. L.; and Burgdorfer, W., 1976, *J. Parasitol.*, v. 62 (5), 824-825  
trypanosomes, similar to *Trypanosoma theileri*-like forms in naturally infected *Amblomma americanum* and experimentally infected *Ornithodoros moubata* (hemolymph of both): Cherokee County, Oklahoma
- Ornithodoros moubata* (Murray)  
Leahy, (Sr.) M. G.; et al., 1975, *J. Med. Entom.*, v. 12 (3), 284-287  
*Ornithodoros moubata*, female assembly pheromone induces male assembly; male pheromone induces male and female aggregation; extraction of female pheromones; removal of olfactory sensillae reduces or eliminates response
- Ornithodoros moubata* (Murray)  
Leahy, (Sr.) M. G.; et al., 1975, *J. Med. Entom.*, v. 12 (4), 413-414  
assembly pheromones from *Ornithodoros* and *Argas* species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location
- Ornithodoros moubata* (Murray)  
Mango, C. K. A.; and Galun, R., 1977, *Exper. Parasitol.*, v. 42 (2), 282-288  
*Ornithodoros moubata*, establishment of membrane-fed colony, breeding in vitro
- Ornithodoros moubata* (Murray), illus.  
Mango, C.; Odhiambo, T. R.; and Galun, R., 1976, *Nature*, London (5549), v. 260, 318-319  
*Ornithodoros moubata*, females, induction of super-moulting by ingestion of ecdysone or ponasterone A, increased body weight and egg output, possible practical implications
- Ornithodoros moubata*  
Wade, J. O., 1976, *Ann. Trop. Med. and Parasitol.*, v. 70 (1), 113-120  
design for arthropod membrane feeding unit embodying electrical stirring device to insure even erythrocyte distribution throughout blood during feeding period



- Ornithodoros moubata porcinus*  
Pini, A.; and Hurter, L. R., 1975, J. South African Vet. Ass., v. 46 (3), 227, 229-232  
*Ornithodoros moubata porcinus*, transmission of African swine fever among wild pigs and between warthogs and domestic pigs, epizootiology, review: South Africa
- Ornithodoros moubata porcinus*  
Smit, J. D. G.; et al., 1977, Nature, London (5602), v. 266, 536-538 [Letter]  
*Ornithodoros moubata porcinus*, haemoglobin crystals in midgut, formation, structure, changes with time, appear to play role in preservation of nutrient reserves
- Ornithodoros (Alectorobius) mueesebecki*  
Varma, M. G. R.; et al., 1973, Nature (5416), v. 244, 452  
*Ornithodoros mueesebecki*, isolation of new arbovirus, possible aetiological agent of illness in man: Zirqa, off coast of Abu Dhabi
- Ornithodoros nereensis*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Ornithodoros papillipes*  
Balashov, Iu. S., 1970, Parazitologiya, Leningrad, v. 4 (3), 274-282  
experimental interspecific hybridization between *Ornithodoros papillipes*, *O. tartakovskyi*, and *O. verrucosus*, genetic and physical incompatibilities as possible natural mechanisms of reproductive isolation
- Ornithodoros papillipes*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Ornithodoros parkeri*  
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
*Argasidae* spp., *Ixodidae* spp., in vitro spermiogenesis
- Ornithodoros parkeri*  
Hardy, J. L.; et al., 1974, Infect. and Immun., v. 10 (3), 553-564  
*Dermacentor parumapertus* failed to become infected with western equine encephalomyelitis virus after feeding on viremic hosts, *Ornithodoros parkeri* became infected but failed to transmit virus
- Ornithodoros parkeri* Cooley  
Krinsky, W. L., 1977, J. Protozool., v. 24 (1), 52-56  
nat. and exper. infection with *Nosema parkeri* sp. n.
- Ornithodoros (Proknekalia) peringueyi* Bedford & Hewitt (1925) (tod of subgen.), illus.  
Keirans, J. E.; Hoogstraal, H.; and Clifford, C. M., 1977, Ann. Entom. Soc. Am., v. 70 (2), 221-228
- Ornithodoros (Proknekalia) peusi* (Schulze, 1943), illus.  
Keirans, J. E.; Hoogstraal, H.; and Clifford, C. M., 1977, Ann. Entom. Soc. Am., v. 70 (2), 221-228
- Ornithodoros puertoricensis* Fox  
Fox, I., 1977, J. Agric. Univ. Puerto Rico, v. 61 (4), 509  
first record on domestic animal  
*Felis catus*: San Juan (Santurce), Puerto Rico
- Ornithodoros (Alectorobius) puertoricensis* Fox, 1947  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Sigmomys alstoni*: Venezuela  
*Proechimys guyanensis*: Venezuela  
*Proechimys semispinosus*: Venezuela  
*Tamandua longicaudata*: Venezuela  
*Marmosa robinsoni*: Venezuela  
*Sylvilagus floridanus*: Venezuela  
*Conepatus semistriatus*: Venezuela  
lizard: Venezuela  
*Marmosa* sp.: Venezuela  
*Zygodontomys brevicauda*: Venezuela  
*Dasyprocta fuliginosa*: Venezuela  
*Artibeus lituratus*: Venezuela  
*Iguana* sp.: Venezuela  
*Monodelphis brevicaudata*: Venezuela  
[no host]: Nicaragua; Surinam; Uruguay
- Ornithodoros puertoricensis* Fox  
Maldonado Capriles, J.; and Medina-Gaud, S., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 402-404  
[no host]: Puerto Rico
- Ornithodoros (Alectorobius) rossi* Kohls, Sonenshine, & Clifford, 1965  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Peropteryx macrotis*: Venezuela  
*Glossophaga longirostris*: Venezuela  
*Desmodus rotundus*: Venezuela  
*Lonchorhina orinocensis*: Venezuela  
bats: Colombia  
*Macroctus californicus*: California (USA)
- Ornithodoros rossi* or near  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
*Peropteryx trinitatis*: Venezuela
- Ornithodoros rossi* Kohls, Sonenshine & Clifford  
Poche, R. M.; and Keirans, J. E., 1975, J. Med. Entom., v. 12 (5), 503  
*Euderma maculatum*: Fort Pierce Wash, SE of St. George, Washington County, Utah
- Ornithodoros rossi*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Pipistrellus hesperus*  
*Eptesicus fuscus*  
*Plecotus townsendii*  
*Antrozous pallidus*  
all from Big Bend National Park, Texas

- Ornithodoros rudis* Karsch, 1880  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy  
bird: Venezuela
- Ornithodoros savignyi*  
Bassal, T. T. M., 1973, J. Med. Entom., v. 10 (2), 228  
Dermacentor andersoni, Ornithodoros moubata, O. savignyi, hemolymph, use of silicic acid chromatograms to detect microamounts of trehalose and other sugars
- Ornithodoros savignyi*  
Borut, S.; and Feldman-Muhsam, F., 1976, J. Parasitol., v. 62 (2), 318-320  
Argasidae spp., Ixodidae sp., in vitro spermiogenesis
- Ornithodoros savignyi* (Audouin)  
Leahy, (Sr.) M. G.; et al., 1975, J. Med. Entom., v. 12 (4), 413-414  
assembly pheromones from Ornithodoros and Argas species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location
- Ornithodoros savignyi*, illus.  
Saliba, E. K.; Sweatman, G. K.; and Kavar, N. S., 1971, J. Med. Entom., v. 8 (1), 73-83  
Ornithodoros savignyi, respiration rate and longevity of untreated ticks at different temperatures, effect of ronnel on respiration rate at different temperatures using 3 application methods, statistical analysis, ronnel not practically useful as systemic pesticide against O. savignyi
- Ornithodoros sawaii*  
Kitaoka, S.; and Suzuki, H., 1974, Eisei Dobutsu (Japan. J. San. Zool.), v. 25 (1), 21-26  
seasonal prevalence  
+Colonectris leucomelas (nest): southern Amami-oshima Islands
- Ornithodoros (Alectorobius) setosus* Kohls, Clifford, & Jones, 1969  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Tadarida gracilis: Venezuela
- Ornithodoros solomonis* Dumbleton, 1958 (possibly O. rennellensis Clifford and Sonenshine, 1962)  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Notopteris macdonaldi: New Hebrides
- Ornithodoros (Alectorobius) stageri* Cooley & Kohls, 1941  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Tadarida gracilis: Venezuela  
Tadarida laticaudata: Brazil  
Noctilio labialis: Brazil  
Molossus sp.: Nicaragua
- Ornithodoros stageri*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
Tadarida brasiliensis  
T. macrotis  
all from Big Bend National Park, Texas
- Ornithodoros talaje* Neumann, 1896  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of Ornithodoros (Alectorobius) talaje (Guerin-Meneville, 1849)
- Ornithodoros (Alectorobius) talaje* (Guerin-Meneville, 1849)  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
synonymy  
Didelphis marsupialis  
Zygodontomys brevicauda  
all from Venezuela
- Ornithodoros 'talaje group'*  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Tadarida gracilis  
Zygodontomys brevicauda  
all from Venezuela
- Ornithodoros talaje* Dunn, 1923 (in part)  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of Ornithodoros rudis Karsch, 1880
- Ornithodoros talaje group*  
Maldonado Capriles, J.; and Medina-Gaud, S., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 402-404  
Eleutherodactylus cooki: caves near Yabucoa, Puerto Rico
- Ornithodoros tartakovskyi* Ol.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
Rhombomys opimus: Turkmenistan
- Ornithodoros tartakovskyi*  
Balashov, Iu. S., 1970, Parazitologiya, Leningrad, v. 4 (3), 274-282  
experimental interspecific hybridization between Ornithodoros papillipes, O. tartakovskyi, and O. verrucosus, genetic and physical incompatibilities as possible natural mechanisms of reproductive isolation
- Ornithodoros tartakovskyi*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Ornithodoros tartakovskyi*  
Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
Argasidae spp., Ixodidae spp., in vitro spermiogenesis

- Ornithodoros tartakowskyi*, illus.  
 Londono M., I., 1976, *J. Parasitol.*, v. 62 (4), 589-595  
*Dipetalonema viteae* larvae, distribution and migration in *Ornithodoros tartakowskyi*, as cause of injury to and disorganization of tick muscle fibers, failure of some ticks to feed after biting may protect from fatal hyperinfection
- Ornithodoros tartakowskyi*  
 Londono M., I., 1976, *J. Parasitol.*, v. 62 (4), 596-603  
 number and proportion of infective *Dipetalonema viteae* larvae moving from biting *Ornithodoros tartakowskyi* to *Meriones unguiculatus*, possible factors involved in this migration
- Ornithodoros tartakowskyi*, illus.  
 Londono M., I., 1976, *J. Parasitol.*, v. 62 (5), 786-788  
*Ornithodoros tartakowskyi*, transmission of *Dipetalonema viteae* by small ticks feeding on engorged larger infected ticks, normal development with subsequent transmission to jirds; elimination of microfilariae in coxal fluid as a possible mechanism to prevent hyperinfection
- Ornithodoros tartakowskyi*, illus.  
 Rockett, C. L., 1975, *J. Insect Physiol.*, v. 21 (12), 1939-1944  
*Ornithodoros tartakowskyi*, limb regeneration and apolysis process studies by amputations at various stages; coagulation of haemolymph
- Ornithodoros tholozani* Labou. & Megn.  
 Bar-Zeev, M.; and Gothilf, S., 1973, *J. Med. Entom.*, v. 10 (1), 71-74  
*Ornithodoros tholozani*, effectiveness of 539 repellents, pyrethrum far superior to all others; method for evaluating repellents on guinea pigs
- Ornithodoros tholozani*  
 Borut, S.; and Feldman-Muhsam, B., 1976, *J. Parasitol.*, v. 62 (2), 318-320  
*Argasidae* spp., *Ixodidae* spp., in vitro spermiogenesis
- Ornithodoros tholozani*, illus.  
 Feldman-Muhsam, B.; and Filshie, B. K., 1976, *Tissue and Cell*, v. 8 (3), 411-419  
*Ornithodoros gurneyi*, *O. tholozani*, spermiophores, scanning and transmission electron microscopy, possible explanation of motility
- Ornithodoros tholozani*  
 Feldman-Muhsam, B.; and Havivi, Y., 1973, *J. Med. Entom.*, v. 10 (2), 185-189  
*Ornithodoros tholozani*, autogeny (oviposition without a blood meal in the adult stage), females large at ecdysis are autogenous and smaller ones are not, positive correlation between weight of female at ecdysis and number of eggs in first autogenous oviposition; possible relationship of oocyte development and preoviposition period
- Ornithodoros tholozani*  
 Gabbay, S.; and Warburg, M. R., 1976, *J. Insect Physiol.*, v. 22 (9), 1291-1301  
*Ornithodoros tholozani*, appearance of neurosecretory cells as related to feeding, blood digestion, mating, and oogenesis
- Ornithodoros tholozani*, illus.  
 Gabbay, S.; and Warburg, M. R., 1977, *J. Morphol.*, v. 153 (3), 371-385  
*Ornithodoros tholozani*, description of neurosecretory cell types in brain of female
- Ornithodoros tholozani* (Laboulbene & Megnin)  
 Leahy, (Sr.) M. G.; et al., 1975, *J. Med. Entom.*, v. 12 (4), 413-414  
 assembly pheromones from *Ornithodoros* and *Argas* species, interspecific responses; feeding increased pheromone production and decreased response; possible function in host location
- Ornithodoros tholozani* (Laboulbene & Megnin)  
 Sternberg, S.; Peleg, B. A.; and Galun, R., 1973, *J. Med. Entom.*, v. 10 (2), 137-142  
*Argas persicus*, irradiation of males produces decreased fertility and egg hatching, not effective as tick control due to lowered competitiveness after first round of mating and aspermia; irradiated *Ornithodoros tholozani* males also ceased to mate after the first or second mating
- Ornithodoros (Alectorobius) tiptoni* Jones & Clifford, 1972  
 Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
*Noctilio leporinus*: Venezuela
- Ornithodoros turicata*  
 Howell, F. G.; and Chapman, B. R., 1976, *Southwest. Nat.*, v. 21 (3), 275-280  
 +*Petrochelidon pyrrhonota* (nest debris): northwestern Texas
- Ornithodoros turicata* (Duges)  
 Meleney, W. P., 1975, *J. Parasitol.*, v. 61 (3), 530-534  
 Tayassu tajacu: Canboh Windmill, Tucson Mt. Park, Pima County, Arizona
- Ornithodoros (Alectorobius) tuttlei* Jones & Clifford, 1972  
 Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
 Agouti paca  
*Tapirus terrestris*  
 all from Venezuela
- Ornithodoros (Proknekalia) vansomeri* n. sp., illus.  
 Keirans, J. E.; Hoogstraal, H.; and Clifford, C. M., 1977, *Ann. Entom. Soc. Am.*, v. 70 (2), 221-228  
 +*Hirundo abyssinica unitatis* (nest): cave, Ngomeni Rock, Kitul, Eastern Province, Kenya  
 +*H. daurica emini* (nest): cave, peak of Ukazzi Hill, near Kaningo, Mwingi-Garissa Road, Eastern Province, Kenya  
 +*Myrmecocichla cinnamomeiventris subrufipennis* (nest): cave, peak of Ukazzi Hill, near Kaningo, Mwingi-Garissa Road, Eastern Province, Kenya
- Ornithodoros verrucosus*  
 Balashov, Iu. S., 1970, *Parazitologiya, Leningrad*, v. 4 (3), 274-282  
 experimental interspecific hybridization between *Ornithodoros papillipes*, *O. tartakowskyi*, and *O. verrucosus*, genetic and physical incompatibilities as possible natural mechanisms of reproductive isolation



*Ornithodoros verrucosus*

Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317

ixodid and argasid ticks, fine structure and function of palpal receptor organ

*Ornithodoros (Subparmatos) viguerasi* Cooley & Kohls, 1941

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Mormoops megalophylla: Venezuela  
Pteronotus davyi: Venezuela  
Pteronotus suapurensis: Venezuela  
bats: Dominican Republic

*Ornithodoros viguerasi* Cooley & Kohls

Maldonado Capriles, J.; and Medina-Gaud, S., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 402-404  
Erophylla bombifrons: caves in Corozal and Aguas Buenas, Puerto Rico

*Ornithodoros yumatensis* Cooley and Kohls

Dooley, T. J.; Bristol, J. R.; and Canaris, A. G., 1976, J. Mamm., v. 57 (1), 189-191  
Pipistrellus hesperus maximus  
Eptesicus fuscus pallidus  
Antrozous pallidus pallidus  
Tadarida brasiliensis mexicana  
all from southwestern United States

*Ornithodoros (Alectorobius) yumatensis* Cooley & Kohls, 1941

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Peropteryx kappleri: Venezuela  
Desmodus rotundus: Venezuela  
Diphylia ecaudata: Venezuela  
Carollia perspicillata: Venezuela  
bats: Georgia (USA); Nicaragua; Colombia

*Ornithodoros yumatensis* or near

Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
Peropteryx trinitatis  
Desmodus rotundus  
Peropteryx macrotis  
all from Venezuela

*Ornithodoros*. See *Ornithodoros*.*Ornithoica aequisenta hystricosa* Maa & Marshall, 1976 [nom. nud.]

Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Ptilinopus greyii: New Hebrides

*Ornithoica curvata* Maa, 1963

Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Centropus sinensis: Malaya

*Ornithoica exilis* (Walker 1861)

Maa, T. C., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 325-328  
Turdus poliocephalus: Samoa  
Halcyon chloris: Tutuila Island  
Aplonis atrifuscus: Tutuila Island

*Ornithoica exilis* (Walker, 1861)

Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199

arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Gallus gallus  
Rallus philippensis  
Halcyon chloris  
H. farquhari  
Turdus poliocephalus  
all from New Hebrides

*Ornithoica pusilla* (Schiner 1868)

Maa, T. C., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 325-328

Demigretta sacra: Kabbenbock Island; Caroline Island  
Sula sula: Palmyra Island  
Numenius tahitiensis: Vostok Island  
Arenaria interpres: Loj Island  
Pluvialis dominica: Palmyra Island  
Thalasseus bergii: Erikub Atoll; Loj Island  
Anous stolidus: Aradojairik Island; Enybor Island; Aranuka Atoll; Hull Island

*Ornithoica stipituri stipituri* (Schiner, 1868)

Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199

arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Ptilinopus sp.  
Halcyon chloris  
H. farquhari  
Turdus poliocephalus  
Cichlornis whitneyi  
Myiagra caledonica  
Neolalage banksiana  
Clytornis papyraceus  
Petroica multicolor  
Pachycephala pectoralis  
Myzomela cardinalis  
Zosterops flavifrons  
Z. lateralis  
all from New Hebrides

*Ornithoica unicolor* Speiser, 1900

Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569

Centropus sinensis  
Otus bakkamoena  
all from Malaya

*Ornithomya apelta* Maa, 1969

Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199

arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
Myzomela cardinalis  
Zosterops flavifrons  
Z. lateralis  
all from New Hebrides

*Ornithomya avicularia*

Cheke, R. A.; Hassall, M.; and Peirce, M. A., 1976, J. Wildlife Dis., v. 12 (2), 133-138

Turdus philomelos: Bramham, Yorkshire and Bramley, Hampshire, England  
T. merula: Bramham, Yorkshire and Bramley, Hampshire, England  
Passer domesticus: Bramley, Hampshire, England  
Streptopelia decaocto: Bramley, Hampshire, England

- Ornithomya avicularia* De Ferris & Cole, 1922, illus.  
 Sanchez Acedo, C.; and Ramon Vericad, J., 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38  
 Apus apus: Alto Aragon
- Ornithomya chloropus* Bergroth, 1901  
 Mehl, R., 1975, Fauna, Oslo, v. 28 (4), 208-214  
 Lagopus lagopus: Norway
- Ornithomya fringillina*  
 Cheke, R. A.; Hassall, M.; and Peirce, M. A., 1976, J. Wildlife Dis., v. 12 (2), 133-138  
*Sylvia atricapilla*: Bramham, Yorkshire, England  
*Erithacus rubecula*: Bramham, Yorkshire, and Bramley, Hampshire, England  
*Prunella modularis*: Bramham, Yorkshire, England  
*Parus major*: Bramley, Hampshire, England  
*P. caeruleus*: " " "  
*Certhia familiaris*: Bramley, Hampshire, England  
*Troglodytes troglodytes*: Bramley, Hampshire, England
- Ornithomyia fuscipennis* Bigot, 1885  
 Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Otus spilocephalus*: Malaya
- Ornithonyssus bacoti*  
 Ah, H.-S.; and Burke, T. M., 1976, J. Parasitol., v. 62 (4), 651-652  
*Litomosoides carinii*, recovery of substantial numbers of developing 4th state larvae from pleural cavity of infected jirds 10 and 30 days after exposure to infected *Ornithonyssus bacoti*, subsequent use of these larvae in establishing quantitatively controlled infections in other jirds
- Ornithonyssus bacoti*  
 Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
 seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
 all from Warren County, Kentucky
- Ornithonyssus bacoti* (Hirst), illus.  
 Charlesworth, E. N.; and Clegern, R. W., 1977, Arch. Dermat., Chicago, v. 113 (7), 937-938  
*Ornithonyssus bacoti* causing pruritic dermatitis in woman (breasts, shoulders, arms), rat nests discovered in attic of woman's dwelling, clinical case report: San Antonio, Texas
- Ornithonyssus bacoti* (Hirst)  
 Goff, M. L., 1975, J. Med. Entom., v. 12 (1), 52-54  
*Rattus rattus*: Midway Islands
- Ornithonyssus bacoti*  
 McCall, J. W., 1976, J. Parasitol., v. 62 (4), 585-588  
*Litomosoides carinii*, simple method for collecting substantial quantities of infective larvae from pelts of *Meriones unguiculatus* exposed for only a few hours to large number of infected *Ornithonyssus bacoti*; jirds inoculated with larvae collected in this manner exhibited high mean % recoveries in a narrow range
- Ornithonyssus bacoti* (Hirst)  
 Miller, B. E.; et al., 1975, J. Med. Entom., v. 12 (4), 425-430  
*Polygenis gwyni*, infected *Sigmodon hispidus berlandieri*, bait with oral systemic insecticide, phoxim, field conditions, effective control; some unmeasured control of natural mite infections; advantages for control of fleas in active plague foci
- Ornithonyssus bacoti* (Hirst, 1913)  
 Nadchatram, M.; and Ramalingam, S., 1974, Southeast Asian J. Trop. Med. and Pub. Health, v. 5 (1), 150 [Demonstration]  
*Ornithonyssus bacoti* causing severe dermatitis in man, evidence of rat activity in ceiling space over man's office area, 2 captured *Rattus rattus diardi* also infested, case report, possible medical importance of *O. bacoti* as disease vectors: Malaysia
- Ornithonyssus bacoti* (Hirst)  
 Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, Florida Entom., v. 59 (1), 89-92  
 synonymy  
 human  
*Sigmodon hispidus*  
 all from Florida
- Ornithonyssus bacoti* (Hirst)  
 Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Mus caroli*: Korea  
*Rattus exulans*: Thailand  
*R. luzonicus*: Luzon, Philippines  
*R. norvegicus caraco*: Korea  
*R. rattus mindanensis*: Luzon, Philippines  
*R. r. thai*: Thailand  
*Rattus spp.*: Luzon, Philippines
- Ornithonyssus bacoti* (Hirst)  
 Shepherd, R. C. H.; and Edmonds, J. W., 1976, Austral. Entom. Mag., v. 3 (4), 63-66  
*Oryctolagus cuniculus*: Victoria
- Ornithonyssus bacoti*  
 Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Sorex fumeus*: Fires Creek area, Nantahala Mountains, North Carolina
- Ornithonyssus bacoti* (Hirst)  
 Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, Proc. Indiana Acad. Sc., v. 83, 1973, 478-481  
*Scalopus aquaticus* (fur): Indiana
- Ornithonyssus banksi* Strandtmann & Wharton, 1958  
 Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
 as syn. of *Ornithonyssus sylviarum* (Canestrini & Fanzago, 1877)
- Ornithonyssus bursa* (Berlese, 1888)  
 Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, Florida Entom., v. 59 (1), 89-92  
 synonymy  
*Gallus gallus*  
 human  
*Rostrhamus sociabilis plumbeus*  
 all from Florida

- Ornithonyssus bursa*  
Powlesland, R. G., 1977, N. Zealand J. Zool., v. 4 (1), 85-94  
*Ornithonyssus bursa* on *Sturnus vulgaris*, no demonstrable effects on growth rate, mortality, blood picture or lipid stores of nestlings; seasonal pattern of infestation parallels starling breeding season: Manawatu region, New Zealand
- Ornithonyssus sylviarum*  
Borisova, V. I., 1975, Biol. Nauk., Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR (141), year 18, (9), 14-18  
nest ectoparasite specificity  
+ [*Riparia riparia*]  
+ [*Hirundo rustica*]  
+ [*Muscicapa albicollis*]  
+ [*Sturnus vulgaris*]  
+ [*Emberiza citrinella*]  
(nest of all)
- Ornithonyssus sylviarum*  
Brown, N. S.; and Wilson, G. I., 1975, Am. Midland Naturalist, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Boston, Mass.; Stockton-on-Tees, England
- Ornithonyssus sylviarum* (Canestrini and Fanzago)  
Christensen, C. M.; Knapp, F. W.; and Tuttle, J. W., 1977, Poultry Science, v. 56 (1), 79-81  
*Ornithonyssus sylviarum*, chickens, chlordimeform and tetrachlorvinphos equally effective; control less rapid with chlordimeform
- Ornithonyssus sylviarum*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Cyanocitta cristata*  
*Turdus migratorius*  
*Sturnus vulgaris*  
*Passer domesticus*  
*Agelaius phoeniceus*  
all from South Bass Island, Ottawa County, Ohio
- Ornithonyssus sylviarum*  
DeVaney, J. A.; et al., 1977, Poultry Science, v. 56 (5), 1585-1590  
*Ornithonyssus sylviarum*, White Leghorn roosters, infected and uninfected, mean body weight, reproductive potential studies, hematological values
- Ornithonyssus sylviarum* (Canestrini & Fanzago 1877)  
Hall, R. D.; and Gross, W. B., 1975, J. Parasitol., v. 61 (6), 1096-1100  
*Ornithonyssus sylviarum*, chickens artificially selected for high or low levels of plasma corticosterone response to stress and housed to promote high or low levels of social interaction, effect on development of mite populations, host sex differences
- Ornithonyssus (Liponyssus) sylviarum* (Canestrini & Fanzago)  
Hall, R. D.; Townsend, L. H., jr.; and Turner, E. C., jr., 1975, Vet. Parasitol., v. 1 (2), 185-192  
*Ornithonyssus sylviarum*, commercial caged laying hens, efficiency of chlordimeform applied as high or low pressure spray, comparison with stirofos
- Ornithonyssus sylviarum*  
Hidano, A.; and Asanuma, K., 1976, Arch. Dermat., Chicago, v. 112 (6), 882-883  
bird mites from starling nest (*Sturnus cineraneus*) parasitizing human occupant of house to which nest attached, case report of resulting acariasis: Japan
- Ornithonyssus sylviarum* (Canestrini & Fanzago)  
McGroarty, D. L.; and Dobson, R. C., 1974, Am. Midland Naturalist, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Ornithonyssus sylviarum*  
Maldonado Capriles, J.; and Miro Mercado, J., 1977, J. Agric. Univ. Puerto Rico, v. 61 (3), 400-401  
*Ornithonyssus sylviarum*, chickens (feathers), malathion, sevin, coral, good results after three consecutive treatments with coral: Adjuntas, Barrio Guayabo Dulce, Puerto Rico
- Ornithonyssus sylviarum* (Canestrini and Fanzago 1877)  
Miller, W. V.; and Price, F. C., 1977, J. Parasitol., v. 63 (3), 417  
*Ornithonyssus sylviarum* found on *Mus musculus* trapped in a poultry house, possible importance of mice as temporary vectors of this mite in dissemination between poultry houses
- Ornithonyssus sylviarum* (Canestrini and Fanzago)  
Phillis, W. A.; Cromroy, H. L.; and Denmark, H. A., 1976, Florida Entom., v. 59 (1), 89-92  
synonymy  
*Gallus gallus*  
*Mimus polyglottis*  
*Cyanocitta c. cristata*  
+ *Toxostoma rufum rufum* (nest)  
*Cyanocitta cristata*  
all from Florida
- Ornithonyssus sylviarum* (Canestrini and Fanzago), illus.  
Pound, J. M.; and Oliver, J. H., jr., 1976, J. Parasitol., v. 62 (3), 470-474  
*Ornithonyssus sylviarum*, description of male and female reproductive systems
- Ornithonyssus sylviarum* (Canestrini and Fanzago)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus norvegicus caraco*: Korea
- Ornithonyssus sylviarum* (Canestrini & Fanzago, 1877)  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Ornithophila metallica* Schiner, illus.  
Itamies, J.; Helle, P.; and Hyttinen, L., 1976, Notulae Entom., v. 56 (4), 103-104  
brief description  
*Luscinia svecica*: west coast of Finland
- Ornithophila metallica* (Schiner 1864)  
Maa, T. C., 1968, J. Med. Entom., v. 5 (3), Aug., 325-328  
*Halcyon chloris*: Pago Pago, Tutuila Island  
human: Tutuila Island



- Ornithophila metallica* (Schiner, 1864)  
Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Halcyon chloris*: New Hebrides
- Oropsylla arctomys*  
Berry, R. L.; et al., 1975, *Am. J. Trop. Med. and Hyg.*, v. 24 (6, pt. 1), 992-998  
arthropods collected and tested as carriers of California encephalitis, negative for virus isolations: Gambier, Ohio
- Oropsylla asiatica* Wagn.  
Letov, G. S.; and Letova, G. I., 1973, *Zool. Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Oropsylla idahoensis* (Baker)  
Haas, G. E., 1973, *Am. Midland Naturalist*, v. 90 (1), 246-252  
morphological variations: New Mexico
- Oropsylla idahoensis* (Baker)  
Haas, G. E.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Eutamias minimus*  
*Spermophilus variegatus*  
*S. lateralis*  
\**Cynomys gunnisoni* (burrow)  
*Microtus montanus*  
*M. longicaudus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Oropsylla ilovaiskii* Wagn. et Joff  
Poliakov, V. K.; et al., 1976, *Zool. Zhurnal*, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transural plague focus  
*Citellus pygmaeus*  
*Rhombomys opimus*  
*Meriones tamariscinus*  
all from northeastern part of Caspian lowland
- Orthohalarachne attenuata*, *illus.*  
Dunlap, J. S.; Piper, R. C.; and Keyes, M. C., 1976, *J. Wildlife Dis.*, v. 12 (1), 42-44  
*Orthohalarachne attenuata*, northern fur seal (*Callorhinus ursinus*), erosion and inflammation of nasal turbinates and nasopharynx: Pribilof Islands
- Orthohalarachne attenuata* (Banks 1910), *illus.*  
Furman, D. P., 1977, *J. Parasitol.*, v. 63 (4), 748-755  
descriptions of larvae, protonymphs and deutonymphs, and adults, phylogenetic implications of comparative ontogeny of leg and palpal chaetotaxy in halarachnid mites  
*Callorhinus ursinus cynocephalus* (nasal passages): St. Paul Island of the Pribiloffs
- Orthohalarachne attenuata*  
Furman, D. P.; and Smith, A. W., 1973, *J. Med. Entom.*, v. 10 (4), 415-416  
*Orthohalarachne diminuta*, *O. attenuata*, in vitro development, adaptations of life cycle for endoparasitism in mammals, presence of protonymph and deutonymph stages confirmed  
*Callorhinus ursinus cynocephalus* (nares): St. Paul Island in Pribiloffs
- Orthohalarachne diminuta* (Doetschmann 1944), *illus.*  
Furman, D. P., 1977, *J. Parasitol.*, v. 63 (4), 748-755  
descriptions of larvae, protonymphs and deutonymphs, and adults, phylogenetic implications of comparative ontogeny of leg and palpal chaetotaxy in halarachnid mites  
*Zalophus californianus californianus* (nasal passages): San Miguel Island, California
- Orthohalarachne diminuta* (Doetschmann, 1944)  
Furman, D. P.; and Smith, A. W., 1973, *J. Med. Entom.*, v. 10 (4), 415-416  
*Orthohalarachne diminuta*, *O. attenuata*, in vitro development, adaptations of life cycle for endoparasitism in mammals, presence of protonymph and deutonymph stages confirmed  
*Zalophus c. californianus* (nares): San Miguel Island, California
- Orycteroxenus soricis*  
Basolo, F., jr.; and Funk, R. C., 1974, *Tr. Illinois State Acad. Sc.*, v. 67 (2), 211-221  
*Cryptotis parva parva*: Coles County, Illinois
- Orycteroxenus soricis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, *J. Elisha Mitchell Scient. Soc.*, v. 91 (1), 13-17  
*Sorex cinereus*  
*S. fumeus*  
*Blarina brevicauda*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Oryzomysia lukoschusi* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Nectomys squamipes melanius*: Coronie, Surinam
- Oryzomysia oxymycterus* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Oxymycterus judex*: St. Catharina, Bresil
- Otobius lagophilus*  
Oliver, J. H., jr.; and Osburn, R. L., 1977, *J. Parasitol.*, v. 63 (1), 176-178  
*Otobius megnini*, *O. lagophilus*: timing of maturation (spermatogenesis and spermiogenesis begin several days prior to 2nd nymphal ecdysis and continue during and after ecdysis); diploid chromosome number of 20
- Otobius megnini* (Duges, 1884)  
Jones, E. K.; et al., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (4), 40 pp.  
Syn.: *Argas megnini* Duges, 1884

- Otobius megnini* (Duges)  
Meleney, W. P., 1975, J. Parasitol., v. 61 (3), 530-534  
Tayassu tajacu  
Lynx rufus  
(ears of all): all from Hidalgo County, New Mexico
- Otobius megnini*, illus.  
Oliver, J. H., jr.; and Osburn, R. L., 1977, J. Parasitol., v. 63 (1), 176-178  
Otobius megnini, O. lagophilus: timing of maturation (spermatogenesis and spermiogenesis begin several days prior to 2nd nymphal ecdysis and continue during and after ecdysis); diploid chromosome number of 20
- Otocentor nitens* Cooley, 1938  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Anocentor nitens* (Neumann, 1897)
- Otodectes cynotis* (Hering, 1838), illus.  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-257  
Vulpes vulpes: Norge
- Otodectes cynotis* (Hering, 1838)  
Nagendram, C.; and Rajamanickam, C., 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (3), 452 [Demonstration]  
Otodectes cynotis, ear mange in cats, clinical aspects, satisfactory treatment with parasiticide such as otoryl or ectorol: Petaling Jaya, Malaysia
- Otodectes cynotis* (Hering, 1838)  
Nagendram, C.; and Rajamanickam, C., 1976, Malaysian Vet. J., v. 6 (2), 84  
Otodectes cynotis, cats (ears), clinical signs, diagnosis, otoryl, ectorol, good results: Petaling Jaya
- Otorhinophila* Wrenn and Loomis 1967  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Oulocrepis* Keler, 1940  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *O. dissimilis* (Denny, 1842)
- Oxylipeurus* Mjoberg, 1910  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *O. dentatus* (Sugimoto, 1934)
- Oxylipeurus polytrapezius* (Burmeister, 1838)  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
key, synonymy

- Pachypygus gibber* (Thorell)  
Hipeau-Jacquotte, R., 1977, *Marine Biol.*, v. 44 (1), 57-63  
*Pachypygus gibber*, pelagic larvae, phototropic reactions (threshold reaction, orientation towards light, speed and form of motility) based on age and stage of parasite  
*Ciona intestinalis*: Vieux-Port a Marseille, France
- Palaeopsylla helenae* Lewis, 1973, illus.  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
*Soriculus baileyi*  
*S. nigrescens*  
*S. caudatus*  
*Pitymys sikimensis*  
all from Nepal
- Palaeopsylla kohauti* Dampf 1911  
Artz, V., 1975, *Entom. Germanica*, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Talpa europaea*  
*Mustela nivalis*  
all from Schleswig-Holstein
- Palaeopsylla kohauti* Dampf  
Haitlinger, R., 1975, *Polskie Pismo Entom.*, v. 45 (2), 373-396  
seasonal variance  
*Sorex araneus*  
all from Gory Sowie
- Palaeopsylla minor* (Dale 1878)  
Artz, V., 1975, *Entom. Germanica*, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Talpa europaea*  
*Mustela erminea*  
*M. nivalis*  
all from Schleswig-Holstein
- Palaeopsylla similis* Dampf  
Haitlinger, R., 1975, *Polskie Pismo Entom.*, v. 45 (2), 373-396  
seasonal variance  
*Sorex araneus*  
all from Gory Sowie
- Palaeopsylla soricis* (Dale 1878)  
Artz, V., 1975, *Entom. Germanica*, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus flavicollis*  
*Clethrionomys glareolus*  
*Sorex araneus*  
*Mustela nivalis*  
all from Schleswig-Holstein
- Palaeopsylla soricis*  
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, *Entom. Scand.*, v. 4 (4), 302-322  
castration and intersexuality due to hyperparasitism by nematodes: Stora Sjöfallet National Park, Sweden; Straumsnes, Norway
- Palaeopsylla soricis* (Dale) 1878  
Cyprich, D.; Kiefer, M.; and Kminiak, M., 1976, *Biologia*, Bratislava, s. B, Zool. (3), v. 31 (8), 573-581  
*Arvicola terrestris*: Slovakia
- Palaeopsylla soricis* (Dale)  
Haitlinger, R., 1975, *Polskie Pismo Entom.*, v. 45 (2), 373-396  
seasonal variance  
*Clethrionomys glareolus*  
*Pitymys subterraneus*  
*Sorex araneus*  
*S. minutus*  
*S. alpinus*  
*Neomys fodiens*  
all from Gory Sowie
- P[alaeopsylla] soricis* gromovi  
Avetisian, G. A.; and Ezekelian, V. Kh., 1975, *Biol. Zhurnal Armenii*, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Arvicola terrestris*: Armenia
- Palaeopsylla soricis rosickyi* Smit  
Brinck-Lindroth, G.; and Smit, F. G. A. M., 1973, *Entom. Scand.*, v. 4 (4), 302-322  
castration and intersexuality due to hyperparasitism by nematodes: Czechoslovakia
- Palaeopsylla soricis rosickyi* Smit  
Hallas, T. E.; and Bang, P., 1976, *Flora og Fauna*, Kobenhavn, v. 82 (1), 11-18  
*Sorex araneus*: eastern Denmark
- Palaeopsylla soricis rosickyi* Smit  
Szabo, I., 1972, *Parasitol. Hungar.*, v. 5, 329-347  
*Apodemus flavicollis*  
*Clethrionomys glareolus*  
*Crocidura leucodon*  
*Micromys minutus pratensis*  
*Neomys anomalus milleri*  
*N. fodiens*  
*Sorex araneus*  
all from Sopron and environments, west Hungary
- Palaeopsylla soricis vesperis* subsp. nov., illus.  
Smit, F. G. A. M., 1975, *Entom. Gaz.*, v. 26 (4), 274-276  
*Sorex araneus*: Porlock Weir (2 km WNW. of Porlock), Somerset, England; Porlock (51.14 N 3.36 W), Somerset, England; Lynton (51.15 N 3.50 W), Devon, England; Braunton (51.07 N 4.10 W), Devon, England; Penard (8 km ENE. of Port Eynon), Gower Peninsula, West Glamorgan, Wales; Port Eynon (51.33 N 4.13 W), Gower Peninsula, West Glamorgan, Wales; Mull (island), Scotland; Sunart, Argyllshire, Scotland; Sidmouth (50.41 N 3.15 W), Devon, England;  
*Neomys* sp.: Encamp (42.32 N 1.35 E), Andorra  
*Sorex minutus*: Soay (islet just S. of Isle of Skye), Scotland; Pabay (islet just NE. of Skye), Scotland  
*Microtus agrestis*: Scalpay (just N. of Skye), Scotland  
*Neomys anomalus*: Ordino (42.34 N 1.30 E), Andorra  
*Apodemus sylvaticus*: Ashley-Combe (3 km WNW. of Porlock), Somerset, England



- Palaeopsylla tauberi* Lewis, 1973, illus.  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
*Soriculus nigrescens*  
*S. baileyi*  
*S. caudatus*  
*Pitymys sikimensis*  
*Soriculus leucops*  
all from Nepal
- Pandarus bicolor*, illus.  
Russo, R. A., 1975, *Calif. Fish and Game*, v. 61 (4), 228-232  
*Triakis semifasciata*  
*Mustelus henlei*  
*Galeorhinus zyopterus*  
*Notorhynchus maculatus*  
*Squalus acanthias*  
all from California
- Paraceras melis* (Walker 1856)  
Beaucournu, J. C., 1976, *Ann. Soc. Entom. France*, n. s., v. 12 (2), 199-213  
Ceratophyllidae of French mammals, geographic distribution, ecology, sex ratio, epidemiological role, review: France
- Paraceras melis* (Walker), illus.  
Pisarska, P., 1975, *Dokl. Sel'skokhoziaistv. Akad. im. Georgiia Dimitrova*, v. 8 (3), 79-81  
description  
Vulpes vulpes: village of Kalougerovo, district of Pazardzhik, Bulgaria
- Paraceras melis* Curtis, 1832, illus.  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, *Rev. Iber. Parasitol.*, v. 33 (1), 29-38  
Meles meles: Alto Aragon
- Paraceras melis melis*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, *Ann. Parasitol.*, v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
Vulpes vulpes  
Meles meles  
all from Nord-Est de la France
- Paraceras melis melis* (Walker, 1856)  
Mehl, R., 1972, *Fauna, Oslo*, v. 25 (4), 247-257  
Vulpes vulpes: Norge
- Paraceras melis melis*, illus.  
Mehl, R., 1972, *Fauna, Oslo*, v. 25 (4), 265-274  
Meles meles: Norge
- Paraclisis giganticola* (Kellogg, 1896)  
Ward, R. A.; and Downey, J. C., 1973, *J. Med. Entom.*, v. 10 (4), 391-396  
*Diomedea immutabilis*: Midway Atoll, Pacific Ocean
- Paradentocarpus* subg. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
subgen. of *Dentocarpus*  
tod: *Dentocarpus* (*Paradentocarpus*) *abyssinicus* sp. n.
- Paradoxopsyllus dashidordzhii* Scalon  
Letov, G. S.; and Letova, G. I., 1973, *Zool. Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Paradoxopsyllus dictosus* n. sp., illus.  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
*Rattus rattoides*: Rupshesara and Tukche, Nepal
- Paradoxopsyllus hesperius*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, *Biol. Zhurnal Armenii*, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus nivalis*: Armenia
- Paradoxopsyllus mustangensis* Lewis, 1974  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
*Apodemus gurmka*  
*Rattus rattoides*  
all from Nepal
- Paradoxopsyllus oribatus* Lewis, 1974  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
*Pitymys sikimensis*  
*Apodemus sylvaticus*  
all from Nepal
- Paradoxopsyllus scorodumovi* Scalon  
Letov, G. S.; and Letova, G. I., 1973, *Zool. Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation to epizootiology of plague  
*Citellus undulatus*: Tuva
- Paradoxopsyllus spinosus* Lewis, 1974  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
*Apodemus sylvaticus*  
*Alticola stoliczkanus*  
all from Nepal
- Paradoxopsyllus teretifrons* Roths.  
Amannilazova, R. D., 1975, *Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk* (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Paradoxopsyllus teretifrons*, illus.  
Kunitskaia, N. T.; and Prokop'ev, V. N., 1976, *Entom. Obozr.*, v. 55 (4), 800-807  
fleas, number of egg tubes
- Paradoxuroecus Conci*, 1942  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 20 (3), 1-77  
as syn. of *Felicola* Ewing, 1929
- Paradyschiria fusca*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, *Entom. News*, v. 88 (9-10), 255-258  
*Noctilio leporinus*: Minas Gerais, Brazil

- Paragabucinia cardiura*, Gaud, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Caprimulgus europaeus*: Moldavian SSR
- Paraglricola* Ewing, 1924  
Emerson, K. C.; and Price, R. D., 1975, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 20 (3), 1-77  
as syn. of *Gliricola* Mjoberg, 1910
- Parakosa* McDaniel & Lawrence, 1962  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
key
- Parakosa* McDaniel and Lawrence, 1962  
McDaniel, B., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (2), 15-32  
key
- Parakosa asiatica* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Tadarida* (*Chaerephon*) *johorensis*: Pulau, Kelantan, Malaya
- Parakosa flexipes* (Pinichpongse)  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
Syn.: *Eulabidocarpus flexipes* Pinichpongse, 1963  
*Molossus pretiosus*: Carazo, Nicaragua
- Parakosa indica* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Otomops wroughtoni*: Parapede Cave, Talley, Inde
- Parakosa maxima* n. sp., illus.  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
*Molossus pretiosus*: 3 km. N., 4 km. W. Diriamba, Carazo, Nicaragua; Santa Rosa, 17 km. N., 15 km. E. Boaco, Boaco, Nicaragua; 6 km. W. Rama, Zelaya, Nicaragua  
*Molossus molossus aztecus*: 3 km. N., 4 km. W. Diriamba, Carazo, Nicaragua  
*Noctilio l. labialis*: 3 km. N., 4 km. W. Diriamba, Carazo, Nicaragua
- Parakosa maxima* McDaniel, 1970, illus.  
McDaniel, B., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (2), 15-32  
redescription  
*Molossus ater*  
*M. bondae*  
*M. major*  
*Artibeus harti*  
*Glossophaga longirostris*  
*Noctilio labialis*  
all from Venezuela
- Parakosa mormopterus* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Mormopterus beccarii*: Amboine
- Parakosa philippinensis* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
chiroptere, non identifie: probablement Corte Danao City, Cebu, Philippines
- Parakosa tadarida* McDaniel & Lawrence, 1962  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
*Molossus pretiosus*: Carazo, Nicaragua
- Parakosa tadarida* McDaniel and Lawrence, 1962, illus.  
McDaniel, B., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (2), 15-32  
redescription  
*Sturnira lilium*  
*Glossophaga longirostris*  
*Molossus bondae*  
*M. ater*  
*Noctilio labialis*  
*Carollia brevicauda*  
all from Venezuela
- Paralabidocarpus* Pinichpongse, 1963  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
key
- Paralabidocarpus* Pinichpongse, 1963  
McDaniel, B., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (2), 15-32  
key
- Paralabidocarpus anthorhinae* sp. n.  
Fain, A., 1973, *Rev. Zool. et Bot. Africains*, v. 87 (2), 330-332  
*Anthorhina crenulata*: Surinam
- Paralabidocarpus artibei* Pinichpongse, 1963  
McDaniel, B., 1971, *Acarologia*, v. 12 (4), 803-823  
*Sturnira lilium parvidens*: Nueva Segovia, Nicaragua
- Paralabidocarpus brewsterae* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Furipterus horrens*: Reserve forestiere, near Bartica, Guyana Anglaise
- Paralabidocarpus furipterus* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Furipterus horrens*: Reserve forstiere, near Bartica, Guyana Anglaise
- Paralabidocarpus hipposideros* sp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Hipposideros lankadiva*: Grotte de Pitakele, Ceylan
- Paralabidocarpus trachops* ssp. *mimon* ssp. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Mimon crenulatum*: near Bartica, Guyane Anglaise

- Paraneonyssus hirsti*  
Brown, N. S.; and Wilson, G. I., 1975, Am.  
Midland Naturalist, v. 94 (1), 154-165  
comparison of ectoparasites from North  
America and Europe  
*Passer domesticus*: Boston, Mass.
- Paraneopsylla dampfi*  
Avetisyan, G. A.; and Ezekelian, V. Kh.,  
1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus nivalis*: Armenia
- Paranthessius Claus*, 1889  
Stock, J. H., 1968, Bull. Zool. Mus. Univ.  
Amsterdam, v. 1 (9), 89-105  
key
- Paranthessius group*  
Stock, J. H., 1968, Bull. Zool. Mus. Univ.  
Amsterdam, v. 1 (9), 89-105  
key to genera
- Paranthessius nasutum* Illg., 1949  
Stock, J. H., 1968, Bull. Zool. Mus. Univ.  
Amsterdam, v. 1 (9), 89-105  
as syn. of *Diogenidium nasutum* Edward, 1891
- Paraperiglischrus rhinolophinus* C. L. Koch, 1841  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Paraperiglischrus [sic] rhinolophinus* (C.L. Koch)  
Petrova, A. D.; and Taskaeva, E. Z., 1975,  
Biol. Moskov. Obsh. Ispyt. Prir., Otdel  
Biol., v. 80 (5), 58-64  
*Miniopterus schreibersii*  
*Rhinolophus ferrumequinum tragatus*  
all from Kun'min, Yun'nan province (south-  
eastern Chinese People's Republic)
- Paraperiglischrus rhinolophinus* (C.L. Koch,  
1841), illus.  
Pinchuk, L. M., 1971, Parazity Zhivot. i Ras-  
ten., Akad. Nauk Moldavsk. SSR (7), 93-110  
description  
*Rhinolophus hipposideros*  
*Plecotus auritus*  
all from Moldavia
- Paraperiglischrus [sic] sternalis* sp. nov., illus.  
Petrova, A. D.; and Taskaeva, E. Z., 1975,  
Biol. Moskov. Obsh. Ispyt. Prir., Otdel  
Biol., v. 80 (5), 58-64  
[fig. 1 inadvertently labelled *Eyndhovenia*  
*sternalis* sp. nov.]  
*Rhinolophus ferrumequinum tragatus*: Kun'min,  
Yun'nan province (southeastern Chinese  
People's Republic)
- Parapsyllus Enderlein*, 1903  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, key, key to species: Australia;  
Macquarie Island
- Parapsyllus australiacus* Rothschild, 1909,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
*Eudyptula minor*: New South Wales; South  
Australia; Tasmania; Victoria; Western  
Australia  
fairy penguin: Tasmania  
little blue penguin: Victoria  
*Pelagodroma marina*: Tasmania  
*Puffinus sphenurus*: New South Wales  
*P. tenuirostris*: Tasmania; Victoria  
*Larus novaehollandiae*: South Australia  
*L. pacificus*: Victoria  
*Antechinus minimus*: Victoria  
*Rattus rattus*: Victoria  
*R. fuscipes*: "  
penguin: Tasmania; South Australia
- Parapsyllus cardinis* Dunnet  
Brinck-Lindroth, G.; and Smit, F. G. A. M.,  
1973, Entom. Scand., v. 4 (4), 302-322  
castration and intersexuality due to hyper-  
parasitism by nematodes: Antipodes Island
- Parapsyllus cardinis* Dunnet, 1961, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Macronectes giganteus*  
*Pterodroma lessoni*  
*Pachyptila desolata*  
all from Tasmania
- Parapsyllus magellanicus* Jordan, 1938, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
*Eudyptes cristatus*  
*Pterodroma lessoni*  
all from Tasmania
- Parapsyllus taylori* Jordan, 1942, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Pelagodroma marina*: New South Wales; Tas-  
mania  
*Puffinus pacificus*: Western Australia  
*P. tenuirostris*: Tasmania; Victoria  
little blue penguin: Victoria  
*Hydroprogne caspia*: "  
*Antechinus minimus*: "  
*Rattus fuscipes*: "
- Parascoschoengastia Vercammen-Grandjean* 1960  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Parasecia Loomis* 1966  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Parasitus* sp.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
+*Lagurus lagurus* (nest): Karagandinsk oblast



- Paraspeleognathopsis* Fain, 1958  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
redefinition, key  
Syn.: *Speleognathopsis* (*Paraspeleognathopsis*) Fain, 1958
- Paraspeleognathopsis* (*Speleorodens*) Fain, 1963  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
as syn. of *Speleorodens* Fain, 1962
- Paraspeleognathopsis* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr.  
Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*: Coles  
County, Illinois
- Paraspeleognathopsis bakeri* (Fain, 1955), illus.  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Paraspeleognathopsis galagoensis* (Fain, 1956)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Paraspeleognathopsis graphiuri* nov. spec., illus.  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key  
*Graphiurus microtis* (fosses nasales): As-  
trida (actuellement Butare), Rwanda
- Paraspinturnix globosus* Rudnick  
Reisen, W. K.; Kennedy, M. L.; and Reisen,  
N. T., 1976, *J. Parasitol.*, v. 62 (4), 628-635  
winter ecology of ectoparasites collected  
from hibernating *Myotis velifer* (incidence,  
intensity, monthly changes, parasite and host  
sex ratio, interspecific associations, para-  
site age structure, etc.)  
*Myotis velifer*: Harmon County, southwestern  
Oklahoma
- Parastivalius* Holland, 1969  
Dunnet, G. M.; and Mardon, D. K., 1974,  
*Austral. J. Zool.*, Suppl. s. (30), 1-273  
key, diagnosis
- Parastivalius novaeguineae* (Rothschild, 1904),  
ilius.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
*Austral. J. Zool.*, Suppl. s. (30), 1-273  
synonymy, diagnosis  
*Echymipera rufescens*  
*Rattus leucopus*  
all from Queensland
- Paratrachobius* [sp.]  
Whitaker, J. O., jr.; and Mumford, R. E.,  
1977, *Entom. News*, v. 88 (9-10), 255-258  
*Vampyrops lineatus*  
*Artibeus lituratus*  
all from Minas Gerais, Brazil
- Paratrachobius longicrus*  
Whitaker, J. O., jr.; and Mumford, R. E.,  
1977, *Entom. News*, v. 88 (9-10), 255-258  
*Artibeus lituratus*: Minas Gerais, Brazil
- Parichoronyssus sclerus*  
Whitaker, J. O., jr.; and Mumford, R. E.,  
1977, *Entom. News*, v. 88 (9-10), 255-258  
*Anoura caudifera*: Minas Gerais, Brazil
- Partipalpiger* subgen. nov.  
Hoogstraal, H.; et al., 1973, *J. Med. Entom.*,  
v. 10 (2), 157-164  
subgenus of *Ixodes*, tod: *Ixodes* (*Partipal-  
piger*) *ovatus* Neumann, 1899
- Passeronyssus havanensis* Dusbabek, 1969  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*,  
v. 12 (3), 479-491  
*Vireo flavifrons*  
*Vireo griseus*  
(nasal cavities of all): all from Havana,  
Cuba
- Passeronyssus megaluri* n. sp., illus.  
Sakakibara, I., 1968, *J. Med. Entom.*, v. 5  
(3), Aug. 1, 298-309  
*Megalurus timoriensis*: Telefomin, New  
Guinea  
bird: Murmur, New Guinea
- Passeronyssus vireonis* Dusbabek, 1969  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*,  
v. 12 (3), 479-491  
*Vireo olivaceus olivaceus* (nasal cavity):  
Havana, Cuba
- Passeroptes dermicola* Trouessart  
McGroarty, D. L.; and Dobson, R. C., 1974, *Am.  
Midland Naturalist*, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Passerrhinoptes pycnonoti* Fain, 1976  
Fain, A.; Herin, A.; and Puylaert, F., 1977,  
*Rev. Zool. Africaine*, v. 91 (2), 385-396  
*Pycnonotus barbatus* (fosses nasales): Cam-  
eroun
- Patellinirmus Tendeiro*, 1972  
Tendeiro, J., 1975, *Garcia de Orta, s. Zool.*,  
v. 4 (1), 57-69  
*Gonioididae*  
key, phylogenetic position
- Patellinirmus novaeseelandiae* Tendeiro, illus.  
Tendeiro, J., 1975, *Garcia de Orta, s. Zool.*,  
v. 4 (1), 57-69
- Pecaroeus javalii* Babcock & Ewing  
Meleney, W. P., 1975, *J. Parasitol.*, v. 61  
(3), 530-534  
*Tayassu tajacu*: Hidalgo County, New Mexico
- Pectinocetus pavlovskii* Ioff  
Letov, G. S.; and Letova, G. I., 1973, *Zool.  
Zhurnal*, v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Pectinopygus annulatus* (Piaget, 1880)  
Ward, R. A.; and Downey, J. C., 1973, *J. Med.  
Entom.*, v. 10 (4), 391-396  
*Sula sula rubripes*: Midway Atoll, Pacific  
Ocean
- Pectinopygus gracilicornis* (Piaget, 1880)  
Ward, R. A.; and Downey, J. C., 1973, *J. Med.  
Entom.*, v. 10 (4), 391-396  
*Fregata minor palmerstoni*  
*Sula dactylatra personata*  
all from Midway Atoll, Pacific Ocean

- Pectinopygus sulae* (Rudow, 1869)  
Ward, R. A.; and Downey, J. C., 1973, *J. Med. Entom.*, v. 10 (4), 391-396  
*Sula leucogaster plotus*  
*S. dactylatra personata*  
all from Midway Atoll, Pacific Ocean
- Pedicinus obtusus*  
Prosl, H., 1976, *Ztschr. Parasitenk.*, v. 50 (2), 214  
Rhesusaffe
- Pediculosis*  
Dorsz, E., 1970, *Polski Tygod. Lekar.*, v. 25 (5), 188-190  
human lice and pediculosis, historical review of clinical care in the 16th-18th centuries in Poland
- Pediculosis*  
Orkin, M., 1974, *Minnesota Med.*, v. 57 (10), 848-852  
human infection, current therapy and clinical measures
- Pediculosis*  
Orkin, M.; Epstein, E.; and Maibach, H. I., 1976, *J. Am. Med. Ass.*, v. 236 (10), 1136-1139  
extensive review of treatment and control of human scabies and pediculosis
- Pediculus affinis* Burmeister, 1838  
Kim, K. C.; and Emerson, K. C., 1971, *J. Med. Entom.*, v. 8 (1), 7-16  
as syn. of *Hoplopleura affinis* (Burmeister)
- Pediculus anseris* Linne, 1758  
Martin Mateo, M. P., 1975, *Rev. Iber. Parasitol.*, v. 35 (1-2), 41-79  
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*Clethrionomys glareolus*  
*Apodemus tauricus*  
*Microtus agrestis*  
*Pitymys subterraneus*  
*Sorex araneus*  
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 fleas of mammals, seasonal occurrence, geo-  
 graphic distribution, host and nest prefer-  
 ence, sex ratio, degree of plague infection  
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*Apodemus flavicollis*  
*Clethrionomys glareolus*  
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*Pitymys subterraneus*  
*Sorex araneus*  
 all from Sopron and environments, west Hun-  
 gary
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 fleas of *Peromyscus maniculatus sonoriensis*  
 and 3 sympatric rodents compared, degree of  
 flea exchange, frequency, host preference  
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*Microtus longicaudus latus*  
 all from western Utah
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 morphological variations  
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 Mexico
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 Haas, G. E.; et al., 1973, J. Med. Entom.,  
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 fleas of mammals, seasonal occurrence, geo-  
 graphic distribution, host and nest prefer-  
 ence, sex ratio, degree of plague infection  
*Peromyscus maniculatus*  
*Microtus montanus*  
*M. longicaudus*  
 all from west of Rio Grande in and near  
 Jemez Mts., New Mexico
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*P. crinitus*  
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 description, key  
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 Alabama
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 fleas of *Peromyscus maniculatus sonoriensis*  
 and 3 sympatric rodents compared, degree of  
 flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*: western  
 Utah
- Peromyscopsylla hesperomys adelpha* (Rothschild)  
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 fleas of mammals, seasonal occurrence, geo-  
 graphic distribution, host and nest prefer-  
 ence, sex ratio, degree of plague infection  
*Reithrodontomys megalotis*  
*Peromyscus maniculatus*  
*P. leucopus*  
*P. boylii*  
*P. truei*  
*Microtus longicaudus*  
 all from west of Rio Grande in and near  
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 seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
 all from Warren County, Kentucky

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description, key  
*Peromyscus polionotus*  
*Peromyscus* sp.  
*P. gossypinus*  
*P. nuttalli*  
*Sigmodon hispidus*  
*Oryzomys palustris*  
*Mus musculus*  
all from Alabama
- Peromyscopsylla selenis*  
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and 3 sympatric rodents compared, degree of  
flea exchange, frequency, host preference  
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*Microtus longicaudus latus*  
all from western Utah
- Peromyscopsylla selenis* (Rothschild)  
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morphological variations  
*Microtus longicaudus*  
*M. montanus*  
all from Jemez Mts., New Mexico
- Peromyscopsylla selenis* (Rothschild)  
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fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
*Peromyscus maniculatus*  
*Clethrionomys gapperi*  
*Microtus montanus*  
*M. longicaudus*  
all from west of Rio Grande in and near  
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- Peromyscopsylla selenis*  
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Monument, California
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ectoparasites of small mammals, prevalence  
in relation to ecological factors (geology,  
soil type, vegetation patterns), family of  
host and sex of host; technique for live  
parasitism rates  
*Apodemus flavicollis*  
*A. sylvaticus*  
*Clethrionomys glareolus*  
*Microtus arvalis*  
*M. agrestis*  
all from Schleswig-Holstein
- Peromyscopsylla silvatica* (Mein.)  
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seasonal variance  
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*Microtus agrestis*  
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*Pitymys subterraneus*  
*Sorex minutus*  
all from Gory Sowie
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*vatica spectabilis* (hindgut) collected from  
*Microtus agrestis*, ultrastructure, method  
of attachment, first record of flagellates  
from this flea
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rabbits throughout Britain
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Picacho de Velela (Granada)
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*artii*, seasonal and sex-related variations  
in numbers of helminths, parasites unlikely  
directly involved in seasonal mortality of  
male host; ectoparasites may contribute to  
anemia in hosts: Powelltown, Victoria
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Terrapene carolina carolina: Millersville,  
Maryland
- Phaenicia sericata* (Meigen)  
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human, 60-year-old Caucasian man (ear):  
Ontario, Canada
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8 cases of human myiasis involving ulcers  
of lower extremities in adults and genital  
area of infants: Santiago, Chile



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Szekely, R.; Herreros, C.; and Rojo, M., 1975, *Bol. Chileno Parasitol.*, v. 30 (1-2), 25-26  
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- Phalacroscylla allos* Wagner  
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fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Peromyscus truei*  
*Neotoma mexicana*  
*N. cinerea*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Phalacroscylla allos*  
Nelson, B. C.; and Smith, C. R., 1976, *J. Med. Entom.*, v. 13 (1), 51-61  
*Neotoma cinerea*  
*Peromyscus maniculatus*  
all from Lava Beds National Monument, California
- Phalcophila* Brennan and Reed 1973  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Pharyngomyia picta*  
Kutzer, E., 1976, *Wien. Tierarztl. Monatsschr.*, v. 63 (4), 126-129  
*Pharyngomyia picta* in *Cervus elaphus*, *Cephenemyia stimulator* in *Capreolus capreolus*, deer free-ranging in preserve, successful control of bots with Ranide in medicated feed: Österreich
- Philopteridae [sp.], probably of the genus *Strigiphilus*  
Little, J. W.; and Hopkins, S. H., 1975, *Proc. Oklahoma Acad. Sc.*, v. 55, 154-156  
*Strix varia*: near Hempstead, Waller County, Texas
- Philopterus* Nitzsch  
Zlotorzyska, J.; and Lucinska, A., 1975, *Polskie Pismo Entom.*, v. 45 (3-4), 547-563  
Philopteridae  
key to species, differential diagnosis of *Philopterus* and *Docophorulus*
- Philopterus* sp.  
Rak, H.; Anwar, M.; and Niak, A., 1975, *Bull. Soc. Path. Exot.*, v. 68 (6), 588-591  
*Turdus ruficollis*: Iran
- Philopterus agelaii*  
Cooper, C. L.; and Crites, J. L., 1975, *J. Med. Entom.*, v. 12 (4), 483  
*Agelaius phoeniceus*: South Bass Island, Ottawa County, Ohio
- Philopterus atratus* Nitzsch, 1818, illus.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Polskie Pismo Entom.*, v. 45 (3-4), 547-563  
key  
*Corvus frugilegus frugilegus*: Polen
- Philopterus* (Lipeurus) *baculus* Nitzsch, 1818  
Martin Mateo, M. P., 1975, *Rev. Iber. Parasitol.*, v. 35 (1-2), 41-79  
as syn. of *Columbicola columbae* (Linne, 1758)
- Philopterus corvi* L., 1758  
Gan, E. I.; and Shousmanov, Sh., 1976, *Uzbek. Biol. Zhurnal* (5), 54-56  
[*Corvus corax*]: Kashka-Darya oblast
- Philopterus corvi* (Linnaeus, 1758), illus.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Polskie Pismo Entom.*, v. 45 (3-4), 547-563  
key  
*Corvus corax corax*: Polen; Jugoslawien; UdSSR; Finland  
*Corvus corax laurencei*: Israel
- Philopterus crassipes* (Burmeister, 1838), illus.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Polskie Pismo Entom.*, v. 45 (3-4), 547-563  
key  
*Nucifraga caryocatactes*: Schlesien; Finland
- Philopterus cristata*  
Cooper, C. L.; and Crites, J. L., 1975, *J. Med. Entom.*, v. 12 (4), 483  
*Cyanocitta cristata*: South Bass Island, Ottawa County, Ohio
- Philopterus cursor* Nitzsch & Burmeister, 1838, illus.  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, *Rev. Iber. Parasitol.*, v. 33 (1), 29-38  
*Buteo buteo*: Alto Aragon
- Philopterus fringillae*  
Brown, N. S.; and Wilson, G. I., 1975, *Am. Midland Naturalist*, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Stockton-on-Tees, England
- Philopterus garruli* Boisduval & Lacordaire, 1835, illus.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Polskie Pismo Entom.*, v. 45 (3-4), 547-563  
key  
*Garrulus glandarius glandarius*: Polen; Finland

- Philoater guttatus* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Pol-  
skie Pismo Entom.*, v. 45 (3-4), 547-563  
key  
Corvus monedula spermologus: Polen  
C. m. monedula: Finland
- Philoater icterodes* Nitzsch, 1818  
Martin Mateo, M. P., 1975, *Rev. Iber. Para-  
sitol.*, v. 35 (1-2), 41-79  
as syn. of *Anaticola icterodes* (Nitzsch,  
1818)
- Philoater jejunos* Nitzsch, 1818  
Martin Mateo, M. P., 1975, *Rev. Iber. Para-  
sitol.*, v. 35 (1-2), 41-79  
as syn. of *Anaticola anseris* (Linne, 1758)
- Philoater magnus* Fedorenko, 1973  
Zlotorzyska, J.; and Lucinska, A., 1976, *Pol-  
skie Pismo Entom.*, v. 46 (2), 261-318  
as syn. of *Docophorulus coarctatus magnus*  
(Fedorenko, 1973)
- Philoater ocellatus* (Scopoli, 1763)  
Andrews, S. E.; and Threlfall, W., 1975, *Proc.  
Helminth. Soc. Washington*, v. 42 (1), 24-28  
Corvus brachyrhynchos (head, neck): insular  
Newfoundland
- Philoater ocellatus*  
Rak, H.; Anwar, M.; and Niak, A., 1975, *Bull.  
Soc. Path. Exot.*, v. 68 (6), 588-591  
Athene noctua: Iran
- Philoater ocellatus* (Scopoli, 1763, illus.)  
Zlotorzyska, J.; and Lucinska, A., 1975, *Pol-  
skie Pismo Entom.*, v. 45 (3-4), 547-563  
key  
Corvus corone cornix: Polen; Finland
- Philoater picae*  
Rak, H.; Anwar, M.; and Niak, A., 1975, *Bull.  
Soc. Path. Exot.*, v. 68 (6), 588-591  
Pica pica: Iran
- Philoater picae* (Denny, 1842), illus.  
Zlotorzyska, J.; and Lucinska, A., 1975, *Pol-  
skie Pismo Entom.*, v. 45 (3-4), 547-563  
key  
Pica pica pica: Polen  
Pica pica fennorum: Finland
- Philoater squalidus* Nitzsch, 1818  
Martin Mateo, M. P., 1975, *Rev. Iber. Para-  
sitol.*, v. 35 (1-2), 41-79  
as syn. of *Anaticola crassicornis* (Scopoli,  
1763)
- Philoater syrni*  
Tyler, J. D.; and Buscher, H. N., 1975, *Proc.  
Oklahoma Acad. Sc.*, v. 55, 166-168  
Speotyto cunicularia: Oklahoma
- Phoenicopterella nov. gen.*  
Fain, A., 1970, *Acarologia*, v. 12 (2), 313-325  
Ereynetidae, Speleognathinae  
tod: P. mirabilis nov. spec.
- Phoenicopterella mirabilis nov. spec. (tod),  
illus.*  
Fain, A., 1970, *Acarologia*, v. 12 (2), 313-325  
Phoenicopterus ruber (fosses nasales pres  
des narines): fraichement importe d'Afrique  
du Nord et mort a Anvers
- Pholeioxodes*  
Morel, P. C.; and Aubert, M. F. A., 1975,  
Cahiers O.R.S.T.O.M., s. Entom. Med. et Para-  
sitol., v. 13 (2), 99-109  
keys to Palearctic females, nymphs and  
larvae
- Pholeioxodes angustus* (Neumann, 1899)  
Morel, P. C.; and Aubert, M. F. A., 1975, Ca-  
hiers O.R.S.T.O.M., s. Entom. Med. et Parasit-  
ol., v. 13 (2), 99-109
- Pholeioxodes arboricola* (Schulze et Schlottke,  
1929), illus.  
Aubert, M. F. A., 1977, *Ann. Parasitol.*, v.  
52 (4), 481-490  
comparison with *Pholeioxodes rugicollis*  
Parus major: Nantes (Loire-Atlantique)
- Pholeioxodes arboricola* (Schulze & Schlottke,  
1929)  
Morel, P. C.; and Aubert, M. F. A., 1975,  
Cahiers O.R.S.T.O.M., s. Entom. Med. et Para-  
sitol., v. 13 (2), 99-109  
keys to Palearctic nymphs and larvae
- Pholeioxodes canisuga* (Johnston, 1849), illus.  
Aubert, M. F. A., 1977, *Ann. Parasitol.*, v.  
52 (4), 481-490  
comparison with *Pholeioxodes rugicollis*  
Vulpes vulpes: Goviller (Meurthe-et-Mos-  
elle)
- Pholeioxodes canisuga* (Johnston, 1849), illus.  
Morel, P. C.; and Aubert, M. F. A., 1975,  
Cahiers O.R.S.T.O.M., s. Entom. Med. et Para-  
sitol., v. 13 (2), 99-109  
keys to Palearctic females, nymphs and  
larvae  
Vulpes vulpes  
Martes foina  
all from France
- Pholeioxodes crenulatus* (=P. filippovae), illus.  
Morel, P. C.; and Aubert, M. F. A., 1975,  
Cahiers O.R.S.T.O.M., s. Entom. Med. et Para-  
sitol., v. 13 (2), 99-109  
keys to Palearctic females, nymphs and  
larvae
- Pholeioxodes filippovae* (Cerny, 1962)  
Morel, P. C.; and Aubert, M. F. A., 1975, Ca-  
hiers O.R.S.T.O.M., s. Entom. Med. et Parasit-  
ol., v. 13 (2), 99-109  
synonymy
- Pholeioxodes hexagonus* (Leach, 1815), illus.  
Morel, P. C.; and Aubert, M. F. A., 1975,  
Cahiers O.R.S.T.O.M., s. Entom. Med. et Para-  
sitol., v. 13 (2), 99-109  
keys to Palearctic females, nymphs and  
larvae  
Martes foina  
Vulpes vulpes  
all from France

- Pholeoixodes kaiseri* (Arthur, 1957), illus.  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109  
keys to Palearctic females, nymphs and larvae
- Pholeoixodes lividus* (Koch, 1844)  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109  
keys to Palearctic nymphs and larvae
- Pholeoixodes pomerantzevi* (Serdyukova, 1941)  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109
- Pholeoixodes rugicollis*, illus.  
Aubert, M. F. A., 1977, Ann. Parasitol., v. 52 (4), 481-490  
description of males obtained by breeding wild nymphs, comparison with *Pholeoixodes canisuga* and *P. arboricola*  
Martes foinea: Fecocourt (Meurthe-et-Moselle)  
M. martes: Nelling (Moselle)  
Vulpes vulpes: Sancey-le-Grand (Doubs)
- Pholeoixodes rugicollis* (Schulze et Schlottke, 1929), illus.  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109  
morphology of female redescribed, first description of larva and nymph, keys to Palearctic females, nymphs and larvae  
Martes foinea  
Martes sp.  
Vulpes vulpes  
all from France
- Pholeoixodes stromi* (Filippova, 1957)  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109
- Pholeoixodes subterraneus* (Filippova, 1961)  
Morel, P. C.; and Aubert, M. F. A., 1975, Cahiers O.R.S.T.O.M., s. Entom. Med. et Parasitol., v. 13 (2), 99-109  
keys to Palearctic nymphs and larvae
- Phormia regina*, illus.  
Damsky, L. J.; et al., 1976, Minnesota Med., v. 59 (5), 786-791  
human myiasis, case reports of aural and superficial scalp wound involvement, clinical and laboratory observations: Minnesota
- Phormia regina*, illus.  
Kenney, M.; et al., 1976, Am. J. Clin. Path., v. 66 (5), 786-791  
intestinal myiasis discovered at post-mortem examinations, appendices of 2 men contained tentatively identified *Sarcophaga* sp. and *Phormia regina* respectively: New York
- Phrixocephalus cincinnatus* Wilson  
Mearns, A. J.; and Sherwood, M. J., 1977, Ann. N. York Acad. Sc., v. 298, 210-224  
*Phrixocephalus cincinnatus*, distribution on *Citharichthys sordidus* (eye) in relation to discharge of waste water, possibility that elevated levels of chlorinated hydrocarbons in fish tissue are inimical to attached macroparasites: southern California coastal waters
- Phthiraptera  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe
- Phthirunculus sumatranus* Kuhn and Ludwig, illus.  
Kim, K. C., 1971, J. Med. Entom., v. 8 (1), 49-55  
redescription  
*Petaurista petaurista grandis*: Taiwan
- Phthirus. See Pthirus.
- Phyllostomyssus n. g.  
Fain, A., 1970, Acarologia, v. 12 (1), 160-163  
Gastronyssidae, Rodhainyssinae  
tod: *P. conradyunkeri* n. sp.
- Phyllostomyssus conradyunkeri* n. sp. (tod), illus.  
Fain, A., 1970, Acarologia, v. 12 (1), 160-163  
*Artibeus literatus*  
*A. jamaicensis*  
(fosses nasales of all): all from Venezuela, Estado Zulia, Distrito Perija, 10 kms et 18 kms Ouest de Machiques
- Phyllostomyobia* g. n.  
Fain, A., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 614-621  
Myobiidae  
tod: *P. mimon* sp. n.
- Phyllostomyobia chrotopterus* sp. n.  
Fain, A., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 614-621  
Chrotopterus sp.: Joinville, Bresil
- Phyllostomyobia leptonycteris* sp. n.  
Fain, A., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 614-621  
*Leptonycteris nivalis*: Texas
- Phyllostomyobia mimon* sp. n. (tod)  
Fain, A., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 614-621  
*Mimon bennetti*: British Guiana
- Phyllostomyobia mimon* ssp. *jamaicensis* ssp. nov.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
*Macrotus waterhousi* (face): Jamaica



- Physconelloides* Ewing, 1927  
Tendeiro, J., 1975, Garcia de Orta, s. Zool.,  
v. 4 (1), 57-69  
Gonioididae  
key, phylogenetic position
- Physconelloides passerinae* Emerson, illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool.,  
v. 4 (1), 57-69
- Physconelloides zenaidurae* (McGregor), illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool.,  
v. 4 (1), 57-69
- Phytoseiidae gen. sp.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
Lagurus lagurus: Karagandinsk oblast
- Picicola roberti* sp. n., s. lat.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
Picus erythropygius: Chaipayum and Kam-  
phaeng Phet Provinces, Thailand  
Dinopium javanense intermedium: Lampang and  
Kampaeng Provinces, Thailand
- Picicola roberti* sp. n., s. str.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
Picus chlorolophus: Khlong Khlung, Kam-  
phaeng Phet Province, Thailand  
[previously published as n. sp. by Somadden  
and Tandan, 1975]
- Pitrufluquenia Marelli*, 1932  
Złotorzycka, J.; Eichler, W.; and Ludwig, H.  
W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species  
and subspecies, descriptions, illustrations,  
hosts, economic and epidemiological impor-  
tance, extensive compilation: Central Europe  
includes: P. coypus Marelli, 1932
- Pitticola* gen. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key to species  
tod: P. australis sp. n.
- Pitticola angolensis* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Pitta angolensis angolensis: Congo
- Pitticola australis* sp. n. (tod)  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Pitta versicolor (skin): N. Australia
- Pitticola emersoni* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Pitta phayrei: Thali, Ban Muang Khai, Loei  
Province, Thailand
- Pitticola magnus* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Pitta o. oatesi: Dan Sai, Kok Sathon, Phu  
Lonlo Mt., Loei Province, Thailand
- Pitticola malaya* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Pitta brachyura: R. Panjang, Malaya
- Pitticola meinertzhageni* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Pitta guajana affinis  
P. guajana guajana  
all from Java
- Pitticola obscurus* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Anthocichla phayrei obscura
- Pitticola quadripustulosus* (Harrison, 1916)  
[n. comb.] s. str.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
Pitta maxima (skin): Halmahera Is., Indo-  
nesia; New Guinea
- Pitticola quadripustulosus* [n. comb.] s. lat.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
Pitta sordida (skin)  
P. steerei (skin): Philippine Islands
- Pitticola usherae* sp. n.  
Tandan, B. K., 1971?, Final Tech. Rep. U. S.  
P. L. 480 Proj., 1-41  
key  
[p. 32 as Pitta usherae]  
Pitta grantina usheri [sic]: North Borneo
- Placomyobia Jameson*, 1970  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 3-32  
key
- Plagiodontochirus* g. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
Atopomelidae  
tod: Plagiodontochirus nudus sp. n.
- Plagiodontochirus nudus* sp. n. (tod)  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
Plagiodontia hylaeum: San Domingo
- Plocopsylla enderleini* Wagner, 1933, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-  
404  
discussion of convergent evolution and morpho-  
logical modifications in helmet-bearing fleas

- Plocopsylla pallas* (Rothschild, 1914), *illus.*  
Traub, R., 1968, *J. Med. Entom.*, v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Plutarchusia Oudemans* 1904  
Atyeo, W. T.; and Peterson, P. C., 1977, *J. Parasitol.*, v. 63 (1), 145-148  
key to species, includes: *P. longitarsa* (Megnin & Trouessart); *P. brachytarsa* sp. n.; *P. chelopus* Oudemans; *P. pseudocheopus* Dubinin
- Plutarchusia brachytarsa* sp. n., *illus.*  
Atyeo, W. T.; and Peterson, P. C., 1977, *J. Parasitol.*, v. 63 (1), 145-148  
key  
*Thalasseus sandvicensis acufavidus*: 13 km. WSW Sisal, Yucatan
- Plutarchusia longitarsa* (Megnin & Trouessart)  
Atyeo, W. T.; and Peterson, P. C., 1977, *J. Parasitol.*, v. 63 (1), 145-148  
key  
*Squatarola squatarola*: France; Italy; Texas
- Plutarchusia pseudocheopus* Dubinin  
Atyeo, W. T.; and Peterson, P. C., 1977, *J. Parasitol.*, v. 63 (1), 145-148  
key  
*Erolia melanotus*: Texas
- Pneumonyssus caninum*, *illus.*  
Garlick, N. L., 1977, *Canine Pract.*, Santa Barbara, v. 4 (4), 42-47  
*Pneumonyssus caninum*, dogs, chronic respiratory disease, pathology of lesions in bronchi, kidney, fat tissue near renal pelvis, and liver, mite-associated pigments indicate the mite's ability to penetrate tissue and migrate throughout the host's body: dog pounds in Sumter and Columbia, South Carolina
- Pneumonyssus mossambicensis*  
McConnell, E. E.; et al., 1974, *Onderstepoort J. Vet. Research*, v. 41 (3), 97-168  
pathological and parasitological survey of 100 free-ranging chacma baboons  
*Papio ursinus* (lung): Kruger National Park, Transvaal
- Pneumonyssus santos-diasi*, Zumpt and Till, 1954, *illus.*  
Kim, J. C. S., 1976, *J. Med. Primatol.*, v. 5 (1), 3-12  
*Pneumonyssus santos-diasi*, morphology, pulmonary pathology, scanning electron microscope  
*Papio cynocephalus* (lungs)
- Pneumonyssus simicola* (Banks 1901)  
Furman, D. P., 1977, *J. Parasitol.*, v. 63 (4), 748-755  
descriptions of larvae and adults and leg and palpal chaetotaxy of all stages including nymphs, phylogenetic implications of comparative ontogeny of leg and palpal chaetotaxy in halarachnid mites  
*Macaca nemestrina* (bronchi, trachea): primate colony, University of California, Berkeley  
*Macaca mulatta* (exper.)
- Pneumonyssus simicola*  
Prosl, H., 1976, *Ztschr. Parasitenk.*, v. 50 (2), 214  
Rhesusaffe
- Pneumonyssus simicola*  
Rawlings, C. A.; and Splitter, G. A., 1973, *Lab. Animal Sc.*, v. 23 (2), 259-261  
*Pneumonyssus simicola* in *Macaca mulatta* causing multiple bronchopleural fistulas and resultant tension pneumothorax, Oesophagostomum contributing to chronic debilitating condition, fatal outcome, case report
- Pneumonyssus simicola* Banks  
Sakakibara, I., 1970, *Southeast Asian J. Trop. Med. and Pub. Health*, v. 1 (4), 524-525  
*Pneumonyssus simicola*, successful transfer of mites from *Macaca irus* and *M. speciosa* to *Tupaia glis* (exper.) (trachea, middle lobe of lung): South Thailand
- Pneumonyssus vocalis*, *illus.*  
McConnell, E. E.; et al., 1974, *Onderstepoort J. Vet. Research*, v. 41 (3), 97-168  
pathological and parasitological survey of 100 free-ranging chacma baboons  
*Papio ursinus* (laryngeal ventricle): Kruger National Park, Transvaal
- Podargoeus tasmaniensis* n. sp., *illus.*  
Price, R. D., 1976, *Proc. Entom. Soc. Wash.*, v. 78 (3), 274-276  
*Aegotheles cristatus*: Granton, Tasmania
- Polygenis gwyni* (C. Fox)  
Miller, B. E.; et al., 1975, *J. Med. Entom.*, v. 12 (4), 425-430  
*Polygenis gwyni*, infected *Sigmodon hispidus* berlandieri, bait with oral systemic insecticide, phoxim, field conditions, effective control; some unmeasured control of natural mite infections; advantages for control of fleas in active plague foci
- Polylopadium* (Kjellum) Brennan 1969  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Polylopadium* (Polylopadium) Brennan and Jones 1961  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Polyplax Enderlein*, 1904  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull., Biol. ser.*, v. 17 (5), 1-62  
key
- Polyplax* sp.  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, *Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool.* (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan

- Polyplax* sp.  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
*Rattus norvegicus*: Carshalton
- Polyplax abyssinica* Ferris 1923  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Arvicanthis niloticus*  
*Desmodilliscus braueri*  
*Taterillus gracilis*  
*Atelerix spiculus*  
*Gerbillus gerbillus*  
*Myomys daltoni*  
*Mus musculoides*  
*Hylomyscus alleni*  
*Crocidura* sp.  
all from Nigeria
- Polyplax affinis* (Burm.): Fahrenholz, 1912;  
Jancke, 1933 (misidentification)  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
as syn. of *Polyplax serrata* (Burmeister)
- Polyplax affinis* (Burm.) (partim): Ferris, 1916  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
as syn. of *Polyplax serrata* (Burmeister)
- Polyplax affinis* (Burm.) (partim): Ferris, 1916 (non) *Polyplax affinis* (Burm.): Jancke, 1938  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
as syn. of *Hoplopleura affinis* (Burmeister)
- Polyplax alaskensis* Ewing 1927  
Winchell, E. J., 1977, J. Parasitol., v. 63 (4), 756-757  
*Microtus breweri*: Muskeget Island, 5 miles west of Nantucket, Massachusetts
- Polyplax asiatica* Ferris  
Kim, K. C., 1971, J. Med. Entom., v. 8 (1), 49-55  
synonymy  
*Bandicota indica nemorivaga*: Taiwan
- Polyplax asiatica* Ferris, 1923  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
synonymy  
*Nesokia indica*: Iran
- Polyplax asiatica* Ferris  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Bandicota indica nemorivaga*: Taiwan
- Polyplax auricularis*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Peromyscus leucopus*  
*P. maniculatus*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Polyplax brachyrrhyncha* Cummings, 1915  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
synonymy  
*Acomys dimidiatus*: Iran
- Polyplax brachyrrhynchus* Cummings, 1915, illus.  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
synonymy, description of nymphal stages  
*Acomys cahirinus*: Dahomey; Togo
- Polyplax calomysci*, n. sp., illus.  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
*Calomyscus bairdardi*: N of Persepolis, Fars Province, Iran  
*Tatera indica*: Ahwaz, Khuzistan Province, Iran
- Polyplax cummingsi* Ferris, 1916  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Dasymys incomtus*: Nigeria
- Polyplax cummingsi* Ferris, 1916, sensu Ferris, 1923 [et auct.]  
Kleynhans, K. P. N., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 299-302  
as syn. of *Polyplax solivaga* Johnson, 1962
- Polyplax cutchicus* n. sp., illus.  
Mishra, A. C.; and Kaul, H. N., 1973, J. Med. Entom., v. 10 (1), 43-46  
*Rattus cutchicus*: Baneshwar (Bar ka Ghat), Sirohi distt, Rajasthan State, India  
[no host]: Mount Abu, Sirohi distt, Rajasthan State, India
- Polyplax gerbilli* Ferris  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
Syn.: *Eremophthirus gerbilli* (Ferris)  
*Meriones libycus*: Iran
- Polyplax gracilis* Fahrenholz, 1910, sensu Ferris, 1916  
Kleynhans, K. P. N., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 299-302  
as syn. of *Polyplax solivaga* Johnson, 1962
- Polyplax grammomydis* Werneck, 1953  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Crocidura* sp.: Dahomey
- Polyplax hannswrangeli* Eichler  
Haitlinger, R., 1976, Polskie Pismo Entom., v. 46 (2), 207-239  
seasonal variance  
*Clethrionomys glareolus*: Gory Sowie
- Polyplax kaiseri* Johnson, illus.  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
description of nymphs  
*Gerbillus cheesmani*  
*G. nanus*  
all from Iran



*Polyplax kaiseri* Johnson, 1960  
Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africae, v. 87 (3), 425-455  
Gerbillus gerbillus: Nigeria

*Polyplax otomydis* Cummings, 1912, sensu Ferris, 1951

Kleynhans, K. P. N., 1969, Onderstepoort J.  
Vet. Research, v. 36 (2), 299-302  
as syn. of *Polyplax solivaga* Johnson, 1962

*Polyplax oxyrrhynchus* Cummings, 1915, illus.

Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africae, v. 87 (3), 425-455  
description of nymphal stages  
*Acomys cahirinus*: Dahomey; Togo  
*A. dimidiatus*: Egypt

*Polyplax paradoxa* Johnson

Kim, K. C.; and Emerson, K. C., 1971, J. Med.  
Entom., v. 8 (1), 7-16  
*Meriones persicus*  
*M. crassus*  
all from Iran

*Polyplax parataterae* sp. nov., illus.

Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africae, v. 87 (3), 425-455  
*Tatera kempii*: Kouande and Soubroukou, Atacora Region, Dahomey; Ayitedjou, Eastern Region, Dahomey; Zizonkame, Central Region, Dahomey; Bimbereke, Borgou Region, Dahomey; Kudu, Shagunu, and Ugar Jabar, Northern Region, Nigeria; Ilashe, Western Region, Nigeria; Pagala, Pawa, and Ezime, Togo  
*Steatomys caurinus*: Mada River, Northern Region, Nigeria  
*Mus musculoides*: Afon, Northern Region, Nigeria  
*Mastomys natalensis*: Pagala, Togo  
*Arvicanthis niloticus*: Padori, Togo

*Polyplax reclinata* (Nitzsch)

Haitlinger, R., 1976, Polskie Pismo Entom., v. 46 (2), 207-239  
seasonal variance  
*Crocidura suaveolens*: Gory Sowie

*Polyplax reclinata* (Nitzsch), illus.

Kim, K. C., 1971, J. Med. Entom., v. 8 (1), 49-55  
description of nymphs, synonymy  
*Suncus murinus*: Taiwan

*Polyplax reclinata* (Nitzsch)

Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
synonymy  
*Crocidura russula*: Iran

*Polyplax reclinata* (Nitzsch, 1864)

Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africae, v. 87 (3), 425-455  
*Crocidura* sp.: Dahomey; Nigeria; Togo

*Polyplax serrata* (Burmeister), illus.

do Amaral, V.; et al., 1975, Biologico, S. Paulo, v. 41 (8), 240-242  
*Polyplax serrata*, laboratory mice treated with lysoform followed by daily change of bedding and spraying cages with 2-isopropoxyphenyl-N-methylcarbamate: Sao Paulo, Brazil

*Polyplax serrata* (Burmeister 1839)

Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus flavicollis*  
*A. sylvaticus*  
*Microtus arvalis*  
all from Schleswig-Holstein

*Polyplax serrata* (Burm.)

Haitlinger, R., 1976, Polskie Pismo Entom., v. 46 (2), 207-239  
seasonal variance  
*Clethrionomys glareolus*  
*Apodemus tauricus*  
*A. sylvaticus*  
*A. agrarius*  
all from Gory Sowie

*Polyplax serrata* (Burmeister)

Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
synonymy  
*Mus musculus*: Iran

*Polyplax serrata*

Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
Maus

*Polyplax serrata*

Stewart, S. J.; et al., 1976, Exper. Parasitol., v. 40 (3), 373-379  
*Polyplax serrata*, mice, effects of limb disability and consequent inability to groom on lousiness: failure to induce immune tolerance after neonatal exposure

*Polyplax serrata affinis* Fahrenholz, 1938

Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
as syn. of *Polyplax serrata* (Burmeister)

*Polyplax serrata paxi* Eichler, 1952

Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
as syn. of *Polyplax serrata* (Burmeister)

*Polyplax smallwoodae* Johnson, 1960, illus.

Kim, K. C.; and Emerson, K. C., 1973, Rev.  
Zool. et Botan. Africae, v. 87 (3), 425-455  
description of nymphal stages  
*Lophuromis sikapusi*: Dahomey; Nigeria; Togo

*Polyplax solivaga* Johnson, 1962, illus.

Kleynhans, K. P. N., 1969, Onderstepoort J. Vet. Research, v. 36 (2), 299-302  
description of male, synonymy  
*Aethomys* (*Aethomys*) *chrysophilus*: Sycamore, eastern Transvaal  
"Mus chrysophilus" . . . now known as *Aethomys* (*Aethomys*) *chrysophilus*: Mfongosi, Zululand

*Polyplax spinulosa* (Burmeister 1839)

- Artz, V., 1975, Entom. Germanica, v. 1 (2), 105-143  
 ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Mustela erminea*: Schleswig-Holstein

*Polyplax spinulosa* (Burmeister)

- Johnson, P. T., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (5), 1-62  
 synonymy  
*Rattus rattus*  
*Proechimys semispinosus*  
*Oryzomys minutus*  
 all from Venezuela

*Polyplax spinulosa* (Burmeister, 1839)

- Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Rattus rattus*: Nigeria

*Polyplax spinulosa* (Burmeister, 1838)

- Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
 arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Rattus norvegicus*: New Hebrides

*Polyplax spinulosa* (Burmeister)

- Mitchell, C. J., 1971, J. Med. Entom., v. 8 (1), 56-61  
*Laelaps nuttalli*, *Polyplax spinulosa*, *Xenopsylla astia*, *X. cheopis* on *Bandicota bengalensis*, seasonal fluctuations; prevalence of *B. bengalensis* and accompanying decrease in *Rattus rattus* and *X. cheopis* has diminished the threat of plague: Calcutta, India

*Polyplax spinulosa*

- Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
*Ratte*

*Polyplax spinulosa* (Burmeister)

- Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus exulans*: Thailand  
*R. e. querceti*: Luzon, Philippines  
*R. luzonicus*: Luzon, Philippines  
*R. norvegicus*: Taiwan; Okinawa  
*R. n. caraco*: Korea  
*R. rattus rattus*: Taiwan  
*R. r. flavipectus*: Korea  
*R. r. mindanensis*: Luzon, Philippines  
*R. r. rufescens*: Okinawa  
*R. r. thai*: Thailand  
*Suncus murinus*: Taiwan  
*S. m. riukiuanus*: Okinawa  
*Apomys datae*: Luzon, Philippines  
*Mus caroli*: Korea  
*Mus spp.*: Okinawa

*Polyplax spinulosa*

- Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Rattus norvegicus*: Fires Creek area, Nantahala Mountains, North Carolina

*Polyplax stephensi* (Christophers & Newstead)

- Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
 synonymy  
*Tatera indica*: Iran

*Polyplax subtaterae* Bedford, 1936, ill.

- Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
 description of nymphal stages  
*Taterillus nigeriae*: Dahomey; Nigeria  
*T. gracilis*: Dahomey  
*Crocidura sp.*: Dahomey

*Polyplax taterae* Ferris, 1923

- Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Lemniscomys striatus*: Nigeria

*Porocephaliasis*

- Brochery, J. L.; et al., 1976, Nouv. Presse Med., v. 5 (28), 1755 [Letter]  
 human porocephaliasis demonstrated by abdominal x-ray as multiple calcified nymphs located in the mid-abdominal area: France (native of Senegal)

*Porocephalosis*

- Smith, J. A.; et al., 1975, Ann. Trop. Med. and Parasitol., v. 69 (4), 503-512  
*Armillifer armillatus*, human, case report of severe disseminated porocephalosis with paraplegia and gangrene and coexisting Hodgkin's disease; review of 60 other cases shows *Armillifer* infestation as 3rd commonest cause of hepatic granulomata, possible congenital case as well as 1st cutaneous involvement are reported, malignant tumors were associated with 33% of the cases, suggested that pentastomes may be able to cause neoplasia

*Porocephalus sp.*, ill.

- Prathap, K.; Ramachandran, C. P.; and Haug, N., 1968, Med. J. Malaya, v. 23 (2), 92-95  
 human hepatic and pulmonary porocephaliasis probably of *Porocephalus moniliformis* origin, lesions discovered accidentally at autopsy of Orang Asli Aborigine, probable infection from improperly cooked snake meat: Pahang State, Malaya

*Porocephalus armillatus*, ill.

- Lim, B. L.; and Krishnansamy, M., 1973, Southeast Asian J. Trop. Med. and Pub. Health, v. 4 (2), 282-284 [Demonstration]  
 extensive apparently fatal infection in *Rattus bowersi* (entire abdominal cavity) caught at Bukit Lagong Forest Reserve, north of Kuala Lumpur, Malaysia

*Porocephalus clavatus*, ill.

- King, N. W., jr., 1976, Scient. Publication (317). Pan Am. Health Organ., 169-198

*Porocephalus crotali*

- Banaja, A. A.; James, J. L.; and Riley, J., 1977, Internat. J. Parasitol., v. 7 (1), 27-40  
*Reighardia sternai*, *Porocephalus crotali*, *Armillifer moniliformis*, tegumental chloride cells (previously termed cuticular cells), ultrastructure, osmoregulatory function

*Porocephalus crotali*, illus.

- Trainer, J. E., jr.; Self, J. T.; and Richter, K. M., 1975, J. Parasitol., v. 61 (4), 753-758

*Porocephalus crotali*, cuticle, ultrastructure, function, phylogenetic implications (clearly pro-arthropodan, uniqueness supports status of independent phylum)

*Porocephalus moniliformis*

- Prathap, K.; Ramachandran, C. P.; and Haug, N., 1968, Med. J. Malaya, v. 23 (2), 92-95  
 human hepatic and pulmonary porocephaliasis probably of *Porocephalus moniliformis* origin, lesions discovered accidentally at autopsy of Orang Asli Aborigine, probable infection from improperly cooked snake meat: Pahang State, Malaya

*Porribius* Jordan, 1946

- Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 diagnosis, key, key to Australian species

*Porribius bathyllus* (M. Rothschild, 1936), illus.

- Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 synonymy, key, diagnosis  
*Chalinolobus gouldii*: Australian Capital Territory  
*Pipistrellus tasmaniensis*: New South Wales  
*Nyctinomus australis*: Australian Capital Territory; South Australia  
 bat: South Australia

*Porribius caminae* (Rothschild, 1903), illus.

- Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 synonymy, key, diagnosis  
*Nyctophilus geoffroyi*: Tasmania  
*Eptesicus pumilus*: Australian Capital Territory; Tasmania  
*Chalinolobus gouldii*: South Australia; Tasmania; Victoria  
*Pipistrellus tasmaniensis*: Tasmania  
*Myotis adversus*: Australian Capital Territory; New South Wales  
*Nyctinomus australis*: South Australia  
 bats: South Australia; Victoria

*Porribius earinus* (M. Roths.), 1936

- Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of *Porribius caminae* (Rothschild, 1903)

*Porribius reductus* (C. Roths.), 1903

- Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of *Porribius caminae* (Rothschild, 1903)

## Portunion conformis Muscatine, 1956

- Lapota, D., 1976, Bull. South. Calif. Acad. Sc., v. 75 (1), 55-56  
 incidence of infection  
*Hemigrapsus oregonensis* (hepato-pancreas tissue): Tijuana Estuary near city of Imperial Beach, San Diego County, California

*Potusdia Conci*, 1942

- Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
 as syn. of *Trichodectes* Nitzsch, 1818

*Probopyrus pandalicola*

- Anderson, G., 1977, Marine Biol., v. 42 (3), 239-251  
*Probopyrus pandalicola*, energy flow in parasitized and unparasitized laboratory *Palaemonetes pugio* population, secondary reproduction, metabolism, ingestion and egestion; temperature, season, host age, sex, and reproductive condition, effect on energetics of host-parasite systems

*Probopyrus pandalicola*

- Walker, S. P., 1977, Exper. Parasitol., v. 41 (1), 198-205  
*Probopyrus pandalicola* in *Palaemonetes pugio*, discontinuous ingestion of host hemolymph, possible role of significant losses of hemolymph in parasitic castration: near Aurora, North Carolina

*Proctolaelaps pygmaeus* Mueller

- Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
 seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan

*Proctophyllodes* sp.

- Howell, F. G.; and Chapman, B. R., 1976, Southwest. Nat., v. 21 (3), 275-280  
*Petrochelidon pyrrhonota*: northwestern Texas

*Proctophyllodes* [sp.] aff. *glandarinus* (Koch, 1841)

- Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR

*Proctophyllodes* [sp.] aff. *ludovicianus* Atyeo et Braasch, 1966

- Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Chernovtzy oblast, Ukrainian SSR

*Proctophyllodes acanthicaulus* Gaud, 1957

- Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR

*Proctophyllodes egglestoni*

- Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Agelaius phoeniceus*: South Bass Island, Ottawa County, Ohio



- Proctophyllodes* (Alloptes) megamerus Trouessart, 1887  
Atyeo, W. T.; and Gaud, J., 1976, J. Kansas Entom. Soc., v. 49 (4), 489-491  
as syn. of *Anorthalloptes megamerus* Trouessart n. comb.
- Proctophyllodes motacillae* Gaud, 1953  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Picoides tridactylus*: Chernovtzy oblast, Ukrainian SSR
- Proctophyllodes musicus*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Turdus migratorius*: South Bass Island, Ottawa County, Ohio
- Proctophyllodes occidentalis*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Cyanocitta cristata*: South Bass Island, Ottawa County, Ohio
- Proctophyllodes picae* (Koch, 1840)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR
- Proctophyllodes styliifer* (Buchholz, 1969)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR
- Proctophyllodes truncatus*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Passer domesticus*: South Bass Island, Ottawa County, Ohio
- Proctophyllodes truncatus* Robin, 1877  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR
- Proctophyllodes truncatus*  
Brown, N. S.; and Wilson, G. I., 1975, Am. Midland Naturalist, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
*Passer domesticus*: Boston, Mass.; Stockton-on-Tees, England
- Proctophyllodes truncatus* Robin  
McGroarty, D. L.; and Dobson, R. C., 1974, Am. Midland Naturalist, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
*Passer domesticus*: northwestern Indiana
- Proctophyllodes truncatus*  
Tieben, G. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 405 [Abstract]  
techniques for collecting ectoparasites from small birds  
*Passer domesticus*
- Proctophyllodidae*  
Peterson, P. C., 1972, Steenstrupia, v. 2 (14), 197-205  
Alloptidae and Proctophyllodidae, associations between orders of birds and feather mite families
- Prodajus ovatus* Pillai  
Balasubrahmanyam, K.; and Jeyaseelan, M. J. P., 1976, Current Sc., Bangalore, v. 45 (16), 603  
*Gastrosaccus simulans*: Porto Novo, south-east coast of India
- Prodidelphoecius* g. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Atopomelidae  
tod: *Prodidelphoecius euphallus* sp. n.
- Prodidelphoecius euphallus* sp. n. (tod)  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Monodelphis scalops: Thereseopolis, Organ Mts., Bresil
- Proechinophthirus fluctus*  
Kurtz, D. A.; and Kim, K. C., 1976, Pesticides Monit. J., v. 10 (3), 79-83  
Antarctophthirus callorhini, *Proechinophthirus fluctus*, sucking lice of northern fur seals, residues of DDT, dieldrin and PCB in lice and seals: Pribilof Islands, Alaska
- Proenderleinellus calvus* (Waterston, 1917)  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Cricetomys gambianus*: Dahomey; Nigeria; Togo
- Proknekalia* n. subgen.  
Keirans, J. E.; Hoogstraal, H.; and Clifford, C. M., 1977, Ann. Entom. Soc. Am., v. 70 (2), 221-228  
subgen. of *Ornithodoros*  
tod: *O. (P.) peringueyi* Bedford & Hewitt (1925)
- Prolabidocarpus* Lawrence, 1948: 369  
Fain, A., 1971, Acarologia, v. 12 (4), 824-826  
as syn. of *Schizocarpus* Trouessart, 1896
- Prolinognathus foley* Fahrenholz, 1939  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Procavia ruficeps*: Nigeria
- Prolistrophorus amazonicus musculus* subsp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (2), 330-332  
*Mus musculus brevirostris*: Surinam
- Prolistrophorus argentinus* (Hirst, 1921), illus.  
Lizaso, N. M., 1975, Mem. Inst. Butantan, v. 39, 73-77
- Prolistrophorus dolichus*, sp. n., illus.  
Lizaso, N. M., 1975, Mem. Inst. Butantan, v. 39, 73-77  
rato: captured in Instituto Butantan, Sao Paulo, Brasil

- Prolistrophorus frontalis* (Hirst, 1921), *illus.*  
Lizaso, N. M., 1975, Mem. Inst. Butantan,  
v. 39, 73-77
- Prolistrophorus hirstianus* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
cains, v. 87 (2), 330-332  
*Scapteromys tomentosus*: Argentine
- Prolistrophorus pernamboucensis* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
cains, v. 87 (2), 330-332  
*Oryzomys* sp.: Bresil
- Prolistrophorus striatus* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
cains, v. 87 (2), 330-332  
*Zygodontomys brevicaudatus microtinus*: Suri-  
nam
- Prolistrophorus surinamensis* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Afri-  
cains, v. 87 (2), 330-332  
*Nectomys squamipes melanius*: Surinam
- Proschoengastia Vercammen-Grandjean* 1967  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Prostigmata*  
Edler, A.; and Nilsson, A., 1973, Entom.  
Scand., v. 4 (4), 274-282  
ectoparasites of small mammals from two  
woodland habitats, seasonal variation, fre-  
quency and intensity of infestation, numer-  
ical comparison of ectoparasitic groups:  
southern Sweden
- Protelicola* Bedford, 1932  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of *Felicola* Ewing, 1929
- Proterothrix* sp.  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3),  
189-199  
arthropods ectoparasitic upon mammals and  
birds, factors affecting host specificity  
*Rhipidura spilodera*  
*Pachycephala pectoralis*  
all from New Hebrides
- Protocalliphora azurea*  
Borisova, V. I., 1975, Biol. Nauk., Min.  
Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR  
(141), year 18, (9), 14-18  
nest ectoparasite specificity  
+[*Hirundo rustica*]  
+[*Parus major*]  
+[*Muscicapa albicollis*]  
+[*Sturnus vulgaris*]  
+[*Phoenicurus phoenicurus*]  
+[*Motacilla alba*]  
+[*Passer montanus*]  
(nest of all)
- Protodactylina* Laubier, Maillard & Oliver  
Cressey, R. F., 1977, Tr. Am. Micr. Soc.,  
v. 96 (4), 467-476  
as syn. of *Bariaka* Cressey, 1966
- Protodactylina pamela* Laubier, Maillard &  
Oliver  
Cressey, R. F., 1977, Tr. Am. Micr. Soc.,  
v. 96 (4), 467-476  
[as syn. of] *Bariaka pamela* (Laubier, Mail-  
lard & Oliver) [n. comb.]
- Protochyropinae*  
Emerson, K. C.; and Price, R. D., 1976, Florida  
Entom., v. 59 (4), 425-428  
Gyropidae  
key
- Protomyobia* Ewing  
Jameson, E. W., jr.; and Dusbabek, F., 1971,  
J. Med. Entom., v. 8 (1), 33-36  
key to females, includes: *P. nodosa*; *P.*  
*brevisetosa*; *P. onoi*; *P. clapparedei*
- Protomyobia brevisetosa*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
*Sorex fumeus*  
*S. palustris*  
all from Fires Creek area, Nantahala Moun-  
tains, North Carolina
- Protomyobia brevisetosa* Whitaker & Pascal, 1971  
(not Jameson, 1948)  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Protomyobia onoi* Jameson & Dusba-  
bek, 1971
- Protomyobia clapparedei*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr.  
Illinois State Acad. Sc., v. 67 (2), 211-221  
*Cryptotis parva parva*: Coles County,  
Illinois
- Protomyobia clapparedei*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
*Sorex cinereus*  
*Blarina brevicauda*  
*Peromyscus maniculatus*  
all from Fires Creek area, Nantahala Moun-  
tains, North Carolina
- Protomyobia onoi*, n. sp., *illus.*  
Jameson, E. W., jr.; and Dusbabek, F., 1971,  
J. Med. Entom., v. 8 (1), 33-36  
key  
*Sorex araneus*: CSSR (Cerny dul stream,  
Krkonoše Mountains; Veltrusy; Stribrec;  
Lest near Krupina)  
*S. unguiculatus*: Japan (near Abashiri, Hok-  
kaido)  
*S. caecutiens*: Japan (Hokkaido)
- Protomyobia onoi* Jameson & Dusbabek, 1971  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Protomyobia brevisetosa* Whitaker &  
Pascal, 1971 (not Jameson, 1948)

- Prowichmannia spiniferum*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr.  
Illinois State Acad. Sc., v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*: Coles  
County, Illinois
- Przhevalskiana silenus* Brauer  
Abul-hab, J.; and Al-S'adi, H., 1974, Beitr.  
Trop. Landwirtsch. u. Vet.-Med., v. 12 (2),  
153-158  
*Przhevalskiana silenus* in goats, incidence  
survey, seasonal distribution: slaughter  
house in Baghdad, Iraq
- Przhevalskiana silenus* (Brauer), illus.  
Cheema, A. H., 1977, Zentralbl. Vet.-Med.,  
Reihe B, v. 24 (8), 648-655  
*Przhevalskiana silenus*, goats (skin),  
histopathology: Shiraz abattoir, Iran
- Przhevalskiana silenus* Brauer, 1858, illus.  
Goksu, K., 1975, Vet. Fak. Dergisi, Istanbul  
Univ., v. 1 (1), 45-52  
black goats: abattoir of Antalya, Turkey
- Pseudoalabidocarpus* new genus  
McDaniel, B., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (2), 15-32  
Labidocarpidae  
[lapsus pp. 27, 29 as *Pseudolabidocarpus*]  
key; tod: *Pseudoalabidocarpus secus* new  
species
- Pseudoalabidocarpus secus* new species (tod),  
illus.  
McDaniel, B., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (2), 15-32  
*Phyllostomus elongatus*  
*P. discolor*  
all from T.F. Amazonas, 108 km SE Esmeralda,  
Rio Mavaca, Venezuela
- Pseudocharopinus dasyaticus* (Pillai, 1962),  
illus.  
Kabata, Z., 1968, J. Nat. Hist., v. 2 (4),  
505-523  
synonymy, description of female  
*Dasyatis fluviorum* (gills): Moreton Bay,  
Queensland
- Pseudocharopinus malleus* (Nordmann, 1832),  
illus.  
Raibaut, A.; and Maamouri, K., 1975, Bull. Mus.  
National Hist. Nat., Paris, 3. s. (320), Zool.  
(227), 1037-1047  
description, detailed study, Syn.: *Pseudo-*  
*charopinus pastinacae* (Van Beneden, 1851)  
*Torpedo torpedo* (fentes branchiales  
internes): Golfe de Tunis  
*T. marmorata* (fentes branchiales internes):  
golfe de Tunis  
*Taeniura grabata* (fentes branchiales  
internes): Tunisie  
*Dasyatis pastinaca* (= *Trygon pastinaca*):  
Tunisie
- Pseudocharopinus pastinacae* (Van Beneden, 1851)  
Raibaut, A.; and Maamouri, K., 1975, Bull. Mus.  
National Hist. Nat., Paris, 3. s. (320), Zool.  
(227), 1037-1047  
as syn. of *P. malleus* (Nordmann, 1832)
- Pseudochondracanthus* sp., illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass.  
India, v. 6 (1), 61-83  
brief description  
*Plagusia* sp. (buccal cavity): Trivandrum,  
South India
- Pseudochondracanthus longitruncus* Yamaguti 1939,  
illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass.  
India, v. 6 (1), 61-83  
description  
*Pseudorhombus arsius* (gills): Trivandrum,  
South India
- Pseudochondracanthus psettodes* Kirtisinghe,  
1950  
Pillai, N. K., 1964, J. Marine Biol. Ass.  
India, v. 6 (1), 61-83  
as syn. of *Chondracanthus alatus* Heller,  
1865
- Pseudocycnoides armatus* (Bassett-Smith, 1898)  
Rohde, K., 1976, Ztschr. Parasitenk., v. 51  
(1), 49-69  
*Scomberomorus commersoni* (gills): near  
Heron Island
- Pseudocycnus appendiculatus* Heller, 1868, illus.  
Hewitt, G. C., 1969, N. Zealand J. Marine and  
Freshwater Research, v. 3 (1), 169-176  
description of female  
Syn.: *P. spinosus* Pearse, 1952  
*Thunnus alalunga*: Ariel Reef, Gisborne,  
New Zealand
- Pseudocycnus appendiculatus* Heller, 1865, illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass.  
India, v. 6 (1), 61-83  
description  
*Euthynnus affinis*: Trivandrum, South India  
*Neothunnus macropterus*: Vizhingom, South  
India  
(gills of all)
- Pseudocycnus armatus* (Bassett-Smith, 1898),  
illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass.  
India, v. 6 (1), 61-83  
synonymy, description  
*Indocybium guttatum* (gills): Trivandrum  
and Vizhingom, South India
- Pseudocycnus spinosus* Pearse, 1952  
Hewitt, G. C., 1969, N. Zealand J. Marine and  
Freshwater Research, v. 3 (1), 169-176  
as syn. of *P. appendiculatus* Heller, 1868
- Pseudolabidocarpus* new genus [lapsus pp. 27, 29  
for *Pseudoalabidocarpus* new genus]  
McDaniel, B., 1972, Brigham Young Univ. Sc.  
Bull., Biol. ser., v. 17 (2), 15-32
- Pseudolamproglena* gen. nov.  
Boxshall, G. A., 1976, Bull. Brit. Mus. (Nat.  
Hist.), Zool., v. 30 (6), 209-215  
*Lernaeidae*, Lamprogleninae, tod: *P. annulata*  
sp. nov.



- Pseudolamproglena annulata* sp. nov. (tod), illus.  
Boxshall, G. A., 1976, Bull. Brit. Mus. (Nat. Hist.), Zool., v. 30 (6), 209-215  
Cyprinion macrostomus (gills): river Tigris, Mosul, Iraq
- Pseudolamproglena simplex* sp. nov., illus.  
Boxshall, G. A., 1976, Bull. Brit. Mus. (Nat. Hist.), Zool., v. 30 (6), 209-215  
Labeo diplostomus (gills): Dal Lake, Kashmir, India
- Pseudolynchia canariensis* Bequaert  
Klei, T. R.; and DeGiusti, D. L., 1975, J. Wildlife Dis., v. 11 (1), 130-135  
Haemoproteus columbae and *Pseudolynchia canariensis* in *Columbia livia*, seasonal occurrence of *H. columbae* highest during fall and winter, correlating with changes in vector population: Detroit, Michigan
- Pseudolynchia canariensis* (Macquart)  
Sanders, D. P.; and Petersen, J. L., 1975, Proc. Indiana Acad. Sc., v. 84, 1974, 287-288  
*Pseudolynchia canariensis*, biting teachers and custodians of school, active in early morning, apparently from pigeons roosting in building, problem eliminated by insecticide spraying: South Bend, Indiana
- Pseudolynchia maura*  
Gallucci, B. B., 1974, J. Protozool., v. 21 (2), 264-275  
*Columbia livia*: Raleigh, North Carolina
- Pseudolynchia serratipes* Maa, 1966  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Ducula bakeri*: New Hebrides
- Pseudopandarus longus* (Gnanamuthu), illus.  
Pillai, N. K., 1964, J. Marine Biol. Ass. India, v. 6 (1), 61-83  
synonymy, description  
*Scoliodon sorokowah* (body surface): Quilon, Trivandrum, and Vizhingom, South India
- Pseudopygmephorus sellnicki*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
*Cryptotis parva parva*  
all from Coles County, Illinois
- Pseudoschoengastia Lipovsky* 1951  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Pseudochoengastia* [sp.]  
Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
*Peromyscus boylii*: NE of Santa Lucia, Sinaloa, Mexico
- Pseudoschoengastia bisetosa* n. sp., illus.  
Loomis, R. B., 1976, Bull. South Calif. Acad. Sc., v. 75 (3), 278-281  
*Peromyscus truei lagunae*: La Laguna, Baja California Sur, Mexico  
*P. eva* (ears): Baja California Sur, Mexico (El Chorro; 11 km W Santiago; La Burrera; 3.2 km S San Antonio)  
*P. truei* (ears): La Laguna, Baja California Sur, Mexico  
*Perognathus spinatus*: 3.2 km S San Antonio, Baja California Sur, Mexico
- Pseudoschoengastia smithi* n. sp., illus.  
Loomis, R. B., 1976, Bull. South Calif. Acad. Sc., v. 75 (3), 278-281  
*Peromyscus eremicus sinaloensis*: 13 km SSE Alamos, Rio Cucujaqui, Sonora, Mexico  
*P. eremicus* (ears): 16 km E Navojoa, Sonora, Mexico
- Pseudoschoengastia tricola*, Geest & Loomis, 1968 [et auct]  
Brennan, J. M., 1973, J. Med. Entom., v. 10 (1), 107-109  
as syn. of *Vanidicus tricosus* Brennan & Jones, 1961
- Pseudoschoengastia turkmenica* sp. n., illus.  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
*Apodemus sylvaticus*: Western Kopetdagh, Kara-Kala region (Iol-Dere ravine), Turkmenia
- Pseudosusa Vercammen-Grandjean* 1960  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Psittaconirmus* sp.  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Trichoglossus haematodus*: New Hebrides
- Psitticimex uritui*  
Keirans, J. E.; Radovsky, F. J.; and Clifford, C. M., 1973, J. Med. Entom., v. 10 (5), 511-516  
+*Myiopsitta monachus* (nest): Los Leones, 30°20' S, 65°10' W, 70 km NW Cruz del Eje, Cordoba Province, Argentina
- Psorergates*  
Coring, J., 1975, Deutsche Tierarztl. Wchnschr., v. 82 (12), 491-492  
ovine scabies, brief review of clinical aspects, diagnosis
- Psorergates ovis*  
Sinclair, A. N., 1976, N. Zealand Vet. J., v. 24 (7), 149-152  
*Psorergates ovis*, fleece derangement in infected Merino sheep before and after treatment as measurement of treatment success
- Psorergates simplex*  
Rak, H., 1974, Rev. Fac. Vet. Univ. Teheran, v. 29 (4), 21-28  
*Mus musculus*: Iran

- Psorergates simplex* Tyrrell, 1883  
Spicka, E. J., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 418-422  
*Psorergates simplex*, sex ratio and stages found  
*Mus musculus* (skin pouches, ears): Pike County, Indiana
- [*Psoroptes*] *psoroptic mange*  
Durez, J.; and Hargot, F., 1977, Ann. Med. Vet., v. 121 (1), 59-63  
*psoroptic mange*, cattle, high pressure spraying with crotoxyphos, good results, no residues in milk, dairy products, or meat
- Psoroptes*  
Jackson, W. T., 1963, State Vet. J. (54), v. 18, 220-222  
*Psoroptes*, sheep: shipped from Belfast, Northern Ireland to Birkenhead
- Psoroptes*  
Prajapati, R. B.; and Hiregaudar, L. S., 1976, Indian Vet. J., v. 53 (2), 150-151  
*psoroptic mange* of buffaloes, mineral and plant oils, burnt engine lubricating oil cheaper, more effective
- Psoroptes* sp.  
Basson, P. A.; et al., 1970, Onderstepoort J. Vet. Research, v. 37 (1), 11-28  
parasitic and other diseases of *Syncerus caffer*, some pathological findings, age of host  
*Syncerus caffer* (bases of the horns): Kruger National Park
- Psoroptes bovis*  
Frick, W., 1977, Monatsh. Vet.-Med., v. 32 (8), 291-294  
different concentrations of dichlorvos, cattle
- Psoroptes communis* var. *cuniculi*  
Patyk, S.; and Kliszewski, W., 1976, Med. Wet., v. 32 (8), 471-473  
ectoparasites, domestic animals, control with enolophosphates IPO-62 and IPO-63
- Psoroptes communis* var. *ovis*  
Coring, J., 1975, Deutsche Tierarztl. Wchnschr., v. 82 (12), 491-492  
ovine scabies, brief review of clinical aspects, diagnosis
- Psoroptes communis* *ovis*  
Kirkwood, A. C., 1977, Parasitology, v. 75 (2), xxxii-xxxiii [Abstract]  
*Psoroptes communis ovis* on sheep, reappearance in 1973, may not be controlled by showering as opposed to dipping: Britain
- Psoroptes communis* var. *ovis*  
Oberg, C.; Diaz, L.; and Valenzuela, G., 1974, Bol. Chileno Parasitol., v. 29 (3-4), 99-102  
*Ovis aries*: Chile
- Psoroptes communis* var. *ovis*  
Patyk, S.; and Kliszewski, W., 1976, Med. Wet., v. 32 (8), 471-473  
ectoparasites, domestic animals, control with enolophosphates IPO-62 and IPO-63
- Psoroptes communis* *ovis* Hering  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Ovis aries*: Hissar and suburbs, India
- Psoroptes cuniculi*  
Frick, W., 1977, Monatsh. Vet.-Med., v. 32 (8), 291-294  
different concentrations of dichlorvos, rabbits
- Psoroptes cuniculi*  
Il'iashchenko, V. I., 1973, Vestnik Sel'skikh. Nauk Kazakhstana (11), 119-121  
*Psoroptes cuniculi*, ciodrin, aerosol foam applied within cochlea, rabbits
- Psoroptes equi* var. *cervinus*, illus.  
Colwell, D. A.; and Dunlap, J. S., 1975, J. Wildlife Dis., v. 11 (1), 66-67  
*Cervus canadensis nelsoni* (dermis): lower Lochsa River drainage, northern Idaho
- Psoroptes equi* var. *cuniculi*  
Alcaino, H.; and Tagle, I., 1966, Bol. Chileno Parasitol., v. 21 (1), 18-19  
*conejo angora* (oido): Santiago, Chile
- Psoroptes equi* var. *ovis*  
Gonzalez, H.; et al., 1967, Bol. Chileno Parasitol., v. 22 (2), 50-52  
*Psoroptes equi* var. *ovis*, asuntol in a single bath treatment ineffective in treating or preventing mange in sheep, clinical trial
- Psoroptes* *ovis*  
Wilson, G. I.; Blachut, K.; and Roberts, I. H., 1977, Research Vet. Sc., v. 22 (3), 292-297  
*Psoroptes* *ovis*, infectivity to sheep introduced into naturally contaminated enclosures after periods of vacancy (under conditions in southwestern United States), recommended time lapse before contaminated animal enclosures can be used by clean sheep; experimental transfer of mites to sheep following periods of off-host storage at various temperatures, mite survival rate
- Psoroptic* mites  
Chattopadhyay, S. K.; et al., 1977, Indian J. Animal Sc., v. 45 (9), 1975, 709-710  
*psoroptic* and *sarcoptic* mites, dermatitis in Rambouillet sheep: India
- Pterodectes raliculæ* sp. n., illus.  
Atyeo, W. T.; and Gaud, J., 1977, J. Parasitol., v. 63 (1), 141-144  
*Ralicula f. forbesi*: Mafulu, Central Division, Papua New Guinea; Buhuni, upper Aroa River, Papua New Guinea  
R. m. mayri: Cyclops Mountains, Humboldt Bay, West Irian
- Pterolichus gaudi* Cerny, 1971  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 192-208  
Tetrastes bonasia: Chernovtzy oblast, Ukrainian SSR

- Pterolichus rubidus petaliferus* Trouessart, 1898  
Peterson, P. C., 1972, *Steenstrupia*, v. 2  
(14), 197-205  
as syn. of *Echinacarus petaliferus* (Trouessart)
- Pterolichus solutocurtus* Dubinin, 1956  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Perdix perdix*: Moldavian SSR
- Pteronyssoides striatus* (Robin, 1877)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*  
*D. leucotos*  
all from Moldavian SSR
- Pteronyssus* sp.  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Streptopelia turtur*: Moldavian SSR
- Pteronyssus brevipes* Berlese, 1884  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. syriacus*: Moldavian SSR  
*D. leucotos*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. medius*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*Picoides tridactylus*: Chernovtzy oblast, Ukrainian SSR
- Pteronyssus dubinini* Cerny et Schumilo, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Picus viridis*  
*P. canus*  
all from Chernovtzy oblast, Ukrainian SSR
- Pteronyssus gaudi* Cerny  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dryocopus martius*: Chernovtzy oblast, Ukrainian SSR
- Pteronyssus gracilis* (Nitzsch, 1818)  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Picus viridis*: Chernovtzy oblast, Ukrainian SSR  
*Dendrocopos major*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. syriacus*: Moldavian SSR  
*D. medius*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. minor*: Chernovtzy oblast, Ukrainian SSR
- Pteronyssus longiscutatus* Cerny et Schumilo, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos minor*: Chernovtzy oblast, Ukrainian SSR
- Pteronyssus monoplax* Cerny, 1969  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Dendrocopos major*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. leucotos*: Moldavian SSR; Chernovtzy oblast, Ukrainian SSR  
*D. medius*: Moldavian SSR  
*Picoides tridactylus*: Chernovtzy oblast, Ukrainian SSR
- Pteronyssus picoides* Cerny et Schumilo, 1973  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Picoides tridactylus*: Chernovtzy oblast, Ukrainian SSR
- Pterophagus strictus* Megnin, 1877  
Shumilo, R. P.; Cerny, V. V.; and Tikhon, E. I., 1973, *Parazity Zhivot. i Rasten.*, Akad. Nauk Moldavsk. SSR (9), 192-208  
*Columba oenas*: Chernovtzy oblast, Ukrainian SSR
- Pterophthirus Ewing*, 1923  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (5), 1-62  
as syn. of *Hoplopleura Enderlein*, 1904
- Pterophthirus alata* Ewing, 1923; [et auct.]  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (5), 1-62  
as syn. of *Hoplopleura alata Ferris*, 1921
- Pterophthirus audax* Ewing, 1923; [et auct.]  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (5), 1-62  
as syn. of *Hoplopleura audax Ferris*, 1921
- Pterophthirus imitans* Werneck, 1942  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (5), 1-62  
as syn. of *Hoplopleura imitans* (Werneck)
- Pterophthirus wernecki* Guimaraes, 1950  
Johnson, P. T., 1972, *Brigham Young Univ. Sc. Bull.*, Biol. ser., v. 17 (5), 1-62  
as syn. of *Hoplopleura wernecki* (Guimaraes)
- Pteropimyobia* gen. nov.  
Fain, A., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 614-621  
Myobiidae  
tod: *P. nyctineme* sp. n.
- Pteropimyobia nyctineme* sp. n. (tod)  
Fain, A., 1973, *Rev. Zool. et Botan. Africaines*, v. 87 (3), 614-621  
*Nyctineme* [i.e., *Nyctimene*] *bougainvillei*:  
Buin (Ile de Bougainville)



- Pteropimyobia pahangensis* sp. n.  
Fain, A., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 614-621  
Macroglossus minimus sobrinus: Pahang, Malaya
- Pterygosomidae*  
Gabrisch, K., 1976, Prakt. Tierarzt, v. 57, Sondernummer, 37-40  
parasites of reptiles, diagnosis, treatment, brief review
- Phthirus pubis*, illus.  
Awan, K. J., 1977, Am. J. Ophthalmol., v. 83 (6), 906-907  
Phthirus pubis infection of both eyelids of 5-year-old child, effective treatment using cryotherapy followed by topical application of gamma benzene hexachloride, clinical case report: Virginia
- Pthirus pubis*  
Epstein, E., 1975, Med. Aspects Human Sexual., v. 9 (1), 8-27  
diagnosis of Pthirus pubis in humans, modes of dissemination, increasing infestations, treatment with Kwell ointment
- Phthirus pubis*, illus.  
Faucheux, M.-J., 1975, Bull. Soc. Sc. Nat. Ouest France, v. 73 (2-3), 69-76  
Pediculus humanus capitis, Phthirus pubis, feet, respiratory system, functional morphology, scanning electron microscopy
- Pthirus pubis*  
Gerwels, J. W.; and Beckett, J., 1975, Med. Aspects Human Sexual., v. 9 (10), 7-27  
Pthirus pubis, Sarcoptes scabiei var. hominis, dermatologic manifestations of venereally transmitted human infections
- Phthirus pubis*  
Schenone, H.; and Reyes, H., 1967, Bol. Chileno Parasitol., v. 22 (2), 56-59  
human ectoparasites, control measures, lindane: Chile
- Pthirus pubis*  
Vedy, J., 1971, Medecine Trop., v. 31 (4), 463-465  
human unilateral Pthirus pubis infection of eye followed rapidly by anterior and posterior subcapsular cataract, case report, possible causal relationships: Fort-Lamy
- Pthirus p. pubis*  
Eichler, W., 1976, Ang. Parasitol., v. 17 (2), 76-85  
annoyance to man, holiday situations: Baltic coast, German Democratic Republic
- Ptilonyssoides novaeguineae* (Hirst, 1921), n. comb., illus.  
Sakakibara, I., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 298-309  
synonymy, description, dorsal views  
Paradisaeidae, ribbontail  
Paradisaeidae, bird of paradise  
Paradisaeidae, rifle bird  
all from New Guinea
- Ptilonyssoides paradisaeus* n. sp., illus.  
Sakakibara, I., 1968, J. Med. Entom., v. 5 (3), 298-309  
Paradisaeidae, ribbontail: Mt. Kaindi  
Paradisaeidae, bird of paradise: Kepilam; Pindiu; Nakata Ridge, Wau; Oriomo River  
Melanocharis nigra: Oransbari, NW Geelvink Bay  
Meliphagidae, honey eater?: Ambunti  
Icteridae, grackle?: Oriomo River  
Cicinnurus regius: Oransbari, NW Geelvink Bay  
bird: Jumbora; Bulolo River  
all from New Guinea
- Ptilonyssus agelaii* Fain & Aitken  
Pence, D. B.; and Casto, S. D., 1976, J. Med. Entom., v. 13 (1), 71-95  
as syn. of *P. sairae* Castro
- Ptilonyssus astridae* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
Euschistospiza dybowskii  
Vidua macroura  
(fosses nasales of all): all from Cameroun
- Ptilonyssus aureliani* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
Cameroptera brevicaudata (fosses nasales): Cameroun
- Ptilonyssus camptostoma* n. sp., illus.  
Hyland, K. E.; and Moorhouse, A., 1970, Acarologia, v. 12 (1), 43-58  
Camptostoma imberbe (nasal passages): Tlaxcala, Veracruz, Mexico
- Ptilonyssus chalybeaedomesticae* Amaral, 1967  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
Progne dominicensis cryptoleuca (nasal cavity): Herradura, Prov. of Pinar del Rio, Cuba
- Ptilonyssus constrictus* Ford, 1961  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
body measurements
- Ptilonyssus constrictus constrictus* Ford, 1961, illus.  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
Parula a. americana (nasal cavity): Cuba (Havana; Aguacate, Mandinga, Baracoa, Prov. of Oriente)  
Vermivora chrysoptera (nasal cavity): Havana, Cuba  
Dendroica tigrina (nasal cavity): Laguna del Tesoro, Prov. of Las Villas, Cuba  
Dendroica cerulea (nasal cavity): Havana, Cuba  
Dendroica d. dominica (nasal cavity): Havana, Cuba  
Dendroica virens waynei (nasal cavity): Havana, Cuba  
Dendroica petechia aestiva (nasal cavity): Havana, Cuba

- Ptilonyssus constrictus longisetosus* ssp. n., illus.  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
    *Seiurus motacilla* (nasal cavity): Botanical Garden, Havana, Cuba  
    *Wilsonia citrina* (nasal cavity): Havana, Cuba  
    *Helminthos vermivorus* (nasal cavity): Havana, Cuba  
    *Protonotaria citrea* (nasal cavity): Havana, Cuba
- Ptilonyssus cyanocittae*  
Cooper, C. L.; and Crites, J. L., 1975, *J. Med. Entom.*, v. 12 (4), 483  
    *Cyanocitta cristata*: South Bass Island, Ottawa County, Ohio
- Ptilonyssus echinatus* Berlese & Trouessart, 1889  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
    *Hirundo rustica erythrogaster* (nasal cavity): Caccum, Prov. of Oriente, Cuba
- Ptilonyssus echinatus* Berlese et Trouessart, 1889  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
    *Hirundo aethiopica* (fosses nasales): Cameroun
- Ptilonyssus estrildicola* Fain, 1959, illus.  
Sakakibara, I., 1968, *J. Med. Entom.*, v. 5 (3), 298-309  
    chestnut-sided manakin [i. e.? mannikin]: Enarotali, New Guinea
- Ptilonyssus estrildicola taeniopygiae* Fain, 1963  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
    *Eodice malabarica* (fosses nasales): Cameroun
- Ptilonyssus fringillicola* Fain, 1959  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
    *Serinus mozambicus* (fosses nasales): Cameroun
- Ptilonyssus garrioi* Cruz  
Pence, D. B.; and Casto, S. D., 1976, *J. Med. Entom.*, v. 13 (1), 71-95  
    as syn. of *P. sairae* Castro
- Ptilonyssus hirsti* Castro et Pereira, 1947  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
    *Passer griseus*  
    *Petronia dentata*  
    (fosses nasales of all): all from Cameroun
- Ptilonyssus insularis cubanus*  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
    *Dives atrovioleaceus* (nasal cavity): Aguacate, Mantinga, Baracoa, Prov. of Oriente, Cuba
- Ptilonyssus insularis insularis* Cerny, 1969  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
    *Quiscalus niger caribaeus* (nasal cavity): Isla de Pinos (Cayo Piedra; Jucaro; La Cocodrila)  
    *Dives atrovioleaceus* (nasal cavity): La Cocodrila, Isla de Pinos
- Ptilonyssus japaibensis* Castro, 1948  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
    *Empidonax alnorum* (nasal passages): Sontecomapan, Veracruz, Mexico
- Ptilonyssus japaibensis*  
Pence, D. B.; and Casto, S. D., 1976, *J. Med. Entom.*, v. 13 (1), 71-95  
    as syn. of *P. sairae* Castro
- Ptilonyssus japaibensis cyanocompsae* Fain & Aitken  
Pence, D. B.; and Casto, S. D., 1976, *J. Med. Entom.*, v. 13 (1), 71-95  
    as syn. of *P. sairae* Castro
- Ptilonyssus lanii* Zumpt et Till, 1955  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
    *Corvinella corvina* (fosses nasales): Cameroun
- Ptilonyssus lanii*  
Pence, D. B.; and Casto, S. D., 1976, *J. Med. Entom.*, v. 13 (1), 71-95  
    valid species
- Ptilonyssus ludovicianus* Cerny, 1969  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
    *Pheucticus ludovicianus* (nasal cavity): Soledad, Prov. of Las Villas, Cuba
- Ptilonyssus ludovicianus* Cerny  
Pence, D. B.; and Casto, S. D., 1976, *J. Med. Entom.*, v. 13 (1), 71-95  
    as syn. of *P. sairae* Castro
- Ptilonyssus mimicola* Fain & Hyland, 1963 status nov.  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
    "we consider this taxon as a distinct species and not as a subspecies of *Ptilonyssus euroturdi* Fain and Hyland, 1963"  
    *Mimocichla plumbea schistacea* (nasal cavity): Cabo Cruz, Vereon, Prov. of Oriente, Cuba
- Ptilonyssus motacillae*  
Pence, D. B.; and Casto, S. D., 1976, *J. Med. Entom.*, v. 13 (1), 71-95  
    valid species
- Ptilonyssus novaeguineae*, Fain & Hyland, 1962  
Sakakibara, I., 1968, *J. Med. Entom.*, v. 5 (3), Aug. 1, 298-309  
    as syn. of *Ptilonyssoides novaeguineae* (Hirst, 1921) n. comb.

- Ptilonyssus nudus*  
Brown, N. S.; and Wilson, G. I., 1975, Am. Midland Naturalist, v. 94 (1), 154-165  
comparison of ectoparasites from North America and Europe  
Passer domesticus: Stockton-on-Tees, England
- Ptilonyssus nudus* Berlese et Trouessart, 1889  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
Passer griseus (fosses nasales): Cameroun
- Ptilonyssus nudus* Berlese & Trouessart  
McGroarty, D. L.; and Dobson, R. C., 1974, Am. Midland Naturalist, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
Passer domesticus: northwestern Indiana
- Ptilonyssus oriolus* Fain, 1956, illus.  
Sakakibara, I., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 298-309  
brief description
- Ptilonyssus ploceanus* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
Ploceus cucullatus  
P. vitellinus  
Euplectes macrourus  
E. hordeaceus  
E. ardens  
E. orix  
Quelea quelea  
Q. erythrops  
Petronia dentata  
Serinus mozambicus  
(fosses nasales of all): all from Cameroun
- Ptilonyssus richmondensis*  
Pence, D. B.; and Casto, S. D., 1976, J. Med. Entom., v. 13 (1), 71-95  
valid species  
Pyrrhuloxia sinuata: Texas
- Ptilonyssus sairae* Castro  
Pence, D. B.; and Casto, S. D., 1976, J. Med. Entom., v. 13 (1), 71-95  
synonymy, taxonomic status, comparative morphology, variation  
Piranga rubra: Texas  
Pipilo fuscus: Texas  
Amphispiza bilineata: Texas  
Pheucticus melanocephalus: Texas  
Dolichonyx oryzivorus: Florida  
Dendroica cerulea: Florida  
Dendroica tigrina: Florida  
Parula americana: Florida  
Limnodynastes swainsonii: Florida  
Seiurus aurocapillus: Florida  
Dendroica caerulescens: Florida  
Dendroica striata: Florida  
Geothlypis trichas: Florida
- Ptilonyssus strandtmanni* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
Apus affinis (fosses nasales): Cameroun
- Ptilonyssus teretistris* Cerny, 1969  
Cerny, V.; and Dusbabek, F., 1971, Acarologia, v. 12 (3), 479-491  
Teretistris fornsi (nasal cavity): El Dorado, Prov. of Las Villas, Cuba
- Ptilonyssus teretistris* Cerny  
Pence, D. B.; and Casto, S. D., 1976, J. Med. Entom., v. 13 (1), 71-95  
as syn. of P. sairae Castro
- Ptilonyssus terpsiphonei* Fain, 1956, illus.  
Sakakibara, I., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 298-309  
Paradisaeidae: Oriomo River, SE New Guinea
- Ptilonyssus triscutatus* (Vitzthum, 1935)  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
Merops nubicus  
Melittophagus bullocki  
(fosses nasales of all): all from Cameroun
- Ptilonyssus triscutatus* Vitzthum, 1935, illus.  
Guevara-Benitez, D., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 117-123  
description of female  
Merops apiaster (arbol respiratorio): las Vegas, Pantano del Cubillas, provincia de Granada
- Ptilonyssus trouessarti* (Hirst, 1921), illus.  
Sakakibara, I., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 298-309  
description, dorsal view. syn.: Rhinonyssoides trouessarti Hirst, 1921  
bird: Oriomo River, Papua, New Guinea
- Ptilonyssus trouessarti pseudotrouessarti*, n. ssp., illus.  
Sakakibara, I., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 298-309  
leather neck bird: Bulolo River, NE New Guinea
- Ptilonyssus viduicola* Fain, 1962  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
Vidua macroura (fosses nasales): Cameroun
- Ptilopsylla* Jordan & Rothschild  
Mahnert, V., 1976, Rev. Suisse Zool., v. 83 (3), 769-776  
Ischnopsyllinae  
key
- Pulex* Linne, 1758  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Pulex* Linnaeus  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key
- Pulex* sp.  
Coultrip, R. L.; et al., 1973, J. Med. Entom., v. 10 (3), 303-309  
fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
Didelphis marsupialis  
Urocyon cinereoargenteus  
Taxidea taxus  
Mephitis mephitis  
Lynx rufus  
all from Fort Ord, California



- Pulex spec.* Eaton, 1875  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Notiopsylla kerguelensis*  
(Taschenberg, 1880)
- Pulex sp.*  
Tyler, J. D.; and Buscher, H. N., 1975, Proc.  
Oklahoma Acad. Sc., v. 55, 166-168  
*Cynomys ludovicianus*: Oklahoma
- Pulex canis.* Curtis, 1826  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Ctenocephalides canis* (Curtis,  
1826)
- Pulex canis.* Duges, 1832  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Ctenocephalides f. felis* (Bouche,  
1835)
- Pulex cuniculi.* Dale, 1878  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Spilopsyllus cuniculi* (Dale, 1878)
- Pulex echidnae.* Denny, 1843  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Bradiopsylla echidnae* (Denny, 1843)
- Pulex fasciatus.* Bosc, 1801  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Nosopsyllus fasciatus* (Bosc, 1801)
- Pulex felis* Bouche, 1835  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Ctenocephalides f. felis* (Bouche,  
1835)
- Pulex irritans* (Linnaeus)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1),  
110-111  
*Canis familiaris*: Racine-Kenosha Co., Wisconsin
- Pulex irritans*  
Ashford, R. W.; et al., 1973, Tr. Roy. Soc.  
Trop. Med. and Hyg., v. 67 (4), 568-601  
man: Kutaber area, Ethiopia
- Pulex irritans*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976,  
Ann. Parasitol., v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores  
with brief notes on biology and chorology  
*Vulpes vulpes*  
*Meles meles*  
all from Nord-Est de la France
- Pulex irritans* Linne, 1758, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
*Hirundo neoxena*: New South Wales  
fowl: New South Wales  
*Trichosurus vulpecula*: Tasmania  
*Felis catus*: New South Wales  
*Canis familiaris*: New South Wales; Victoria  
pig: New South Wales  
*Homo sapiens*: Australian Capital Territory;  
New South Wales; Victoria; Western Australia
- Pulex irritans*  
Haarlov, N.; and Kristensen, S., 1976, Med-  
lemsbl. Danske Dyrlegeforen., v. 59 (12),  
517-520  
hunde: Denmark
- Pulex irritans* Linnaeus  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
*Urocyon cinereoargenteus*: west of Rio Grande  
in and near Jemez Mts., New Mexico
- Pulex irritans*, probably  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
*Homo sapiens*: west of Rio Grande in and  
near Jemez Mts., New Mexico
- Pulex irritans*  
Kamel, O. M.; Nassif, M.; and Nagy, M., 1976,  
PANS, v. 22 (3), 350-353  
temephos effective against *Pediculus humanus*  
*humanus*, but not effective against *Pulex ir-  
ritans*: Egypt
- Pulex irritans*  
Letov, G. S.; and Letova, G. I., 1973, Zool.  
Zhurnal, v. 52 (4), 525-531  
fleas, geographic distribution in relation  
to epizootiology of plague  
*Citellus undulatus*: Tuva
- Pulex irritans* L.  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3),  
189-199  
arthropods ectoparasitic upon mammals and  
birds, factors affecting host specificity  
man: New Hebrides
- Pulex irritans*  
Pisarska, P., 1975, Dokl. Sel'skokhoziaistv.  
Akad. im. Georgiia Dimitrova, v. 8 (3), 79-81  
*Vulpes vulpes*: village of Kalougerovo,  
district of Pazardzhik, Bulgaria
- Pulex irritans*  
Poliakov, V. K.; et al., 1976, Zool. Zhurnal,  
v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological,  
epidemiological and ecological characteris-  
tics of steppe, desert-steppe and desert  
regions of Transural plague focus  
*Rhombomys opimus*: northeastern part of  
Caspian lowland

- P[ulex] irritans*  
 Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
 Homo sapiens: Isle of Man
- Pulex irritans*  
 Skuratowicz, W., 1976, Polskie Pismo Entom., v. 46 (1), 25-27  
 Vulpes corsac: Zaamar, Mongolia
- Pulex irritans* Linnaeus, 1758  
 Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
 [no host]: Nepal
- Pulex irritans* Linnaeus 1758  
 Towell, D. E.; and Price, M. A., 1976, South-west. Entom., v. 1 (1), 20  
 Bassariscus astutus flavus: Kerr County, Texas
- Pulex irritans* Linnaeus  
 Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64, 1-24  
 domestic dog: Cotabato Province, Mindanao, Parang, Bugasan, Philippine Islands  
 Mydans: Palawan Province, Palawan Island, Brook Point, Philippine Islands
- Pulex kerguelensis*. Taschenberg, 1880  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of Notiopsylla kerguelensis (Taschenberg, 1880)
- Pulex simulans* Baker, illus.  
 Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
 description  
 Canis familiaris  
 Vulpes fulva  
 Felis domestica  
 Marmota monax  
 all from Alabama
- Pulex simulans* Baker  
 Stone, J. E.; and Pence, D. B., 1977, J. Parasitol., v. 63 (3), 463  
 Felis rufus: near Benjamin, Knox County, west Texas
- Pulgas*. See Fleas.
- Pulicidae*  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 diagnosis
- Pulicidae*  
 Lewis, R. E., 1972, J. Med. Entom., v. 9 (6), 511-520  
 Pulicidae, world-wide distribution by zoogeographical regions and subregions, host preferences; list of genera and species
- Pulicidae* Stephens  
 Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
 brief description
- Pumiliopsis spathepedes* sp. nov., illus.  
 Bennet, P. S., 1975, J. Marine Biol. Ass. India, v. 16 (1), 1974, 156-160  
 Sardinella sirm (eye): Tuticorin, south-east coast of India
- Pupipara* [sp.], illus.  
 Gwahaba, J. J., 1975, J. East Africa Nat. Hist. Soc. and National Mus. (153), 1-14  
 Corvus albus: Kampala, Uganda
- Pyemotes ventricosus* (Newport), illus.  
 Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
- Pyemotidae* [sp.]  
 Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
 Peromyscus leucopus noveboracensis: Coles County, Illinois
- Pygiopsylla* Rothschild, 1906  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 diagnosis, key, key to Australian species
- Pygiopsylla arcuata* Holland, 1971, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis
- Pygiopsylla colossus* Rothschild, 1906, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis  
 Rattus lutreolus  
 Pseudomys higginsii  
 Tasmanian rat  
 all from Tasmania
- Pygiopsylla congrua* Jordan and Rothschild, 1922  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of Pygiopsylla zethi (Rothschild, 1904)
- Pygiopsylla echidnae* Denny, 1843  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of Bradiopsylla echidnae (Denny, 1843)
- Pygiopsylla gravis* Rothschild, 1908, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis  
 Mus assimilis: Victoria  
 Rattus assimilis: New South Wales; Victoria  
 R. fuscipes assimilis: Victoria
- Pygiopsylla hilli* (Rothschild, 1904), illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis, syn.: Ceratophyllus hilli. Rothschild, 1904  
 Bettongia penicillata  
 Pseudocheirus occidentalis  
 Pseudocheirus or Bettongia  
 all from Western Australia

- Pygiopsylla hoplia* Jordan and Rothschild, 1922, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 synonymy, key, diagnosis  
*Thylagale stigmatica*: New South Wales  
*Potorous tridactylus*: New South Wales; Tasmania; Victoria  
*Trichosurus vulpecula fuliginosus*: Tasmania  
*Pseudocheirus peregrinus*: Victoria  
*Isodon obesulus*: South Australia; Tasmania; Victoria; New South Wales  
*Thylacis obesulus*: Queensland; South Australia; Tasmania  
*Perameles obesula*: Tasmania  
*Isodon macrourus*: New South Wales  
*Perameles macroura*: Queensland  
*Isodon torosus*: Queensland  
*Isodon* sp.: Queensland  
*Perameles nasuta*: New South Wales; Queensland; Tasmania; Victoria  
*Perameles ? nasuta*: New South Wales  
*P. gunnii*: Tasmania  
*Perameles* sp.: Queensland; Tasmania  
*Echymipera rufescens*: Queensland  
*bandicoot*: Queensland  
*Dasyurus maculatus*: New South Wales; Tasmania; Victoria  
*?Dasyurus maculatus*: Tasmania  
*Dasyurus viverrinus*: Tasmania  
*Dasyurus quoll*: Tasmania  
 native cat: Tasmania  
 marsupial cat: Tasmania  
*Sarcophilus harrisii*: Tasmania  
*Antechinus flavipes*: Victoria  
*Antechinus stuartii*: Victoria  
*Antechinus swainsonii*: Tasmania; Victoria  
*Antechinus minimus*: Tasmania  
*Rattus rattus*: Queensland; Tasmania; Victoria  
*R. fuscipes fuscipes*: Western Australia  
*R. assimilis*: New South Wales; Queensland; South Australia; Victoria  
*R. fuscipes assimilis*: Victoria  
*R. f. greyii*: South Australia; Victoria  
*R. lutreolus*: Tasmania; Victoria  
*R. l. velutinus*: Tasmania  
*R. norvegicus*: Tasmania  
*R. culmorum*: Queensland  
*Rattus* sp.: Tasmania  
 grey scrub rat: Queensland  
 native rat: Victoria; Tasmania  
*Hydromys chrysogaster*: Queensland; Tasmania; Victoria  
*Mastacomys fuscus*: New South Wales; Tasmania  
*Pseudomys higginsii*: Tasmania  
*Uromys caudimaculatus*: Queensland  
*Melomys* sp.: Queensland  
*Oryctolagus cuniculus*: Victoria  
 cattle: Queensland  
*Ornithorhynchus anatinus*: Tasmania  
*Platypus*
- Pygiopsylla hoplia* Jordan and Rothschild  
 Shepherd, R. C. H.; and Edmonds, J. W., 1976,  
 Austral. Entom. Mag., v. 3 (4), 63-66  
*Oryctolagus cuniculus*: Victoria
- Pygiopsylla iridis* Höllder, 1971, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis  
*Isodon obesulus*: Queensland  
*bandicoot*: Queensland  
*Rattus assimilis*: New South Wales; Queensland

- Pygiopsylla pavidus* Rothschild, 1916  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of *Acanthopsylla pavidus* (Rothschild, 1916)
- Pygiopsylla rainbowi* Rothschild, 1908, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis  
*Isodon obesulus*: Victoria  
*Phascogale swainsonii*: Victoria  
*Antechinus swainsonii*: Victoria  
*Epimys rattus*: New South Wales  
*Rattus rattus*: Victoria  
*R. assimilis*: New South Wales; Victoria; Australian Capital Territory  
*R. f. assimilis*: "  
*R. f. greyi*: South Australia; Victoria  
*Mus assimilis*: Victoria  
*Rattus lutreolus*: "  
*Rattus fuscipes*: Victoria
- Pygiopsylla robinsoni* Rothschild 1908 [et auct.]  
 Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64, 1-24  
 as syn. of *Stivalius robinsoni* (Rothschild 1905)
- Pygiopsylla rothschildi* Rothschild, 1906  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of *Acanthopsylla r. rothschildi* (Rainbow, 1905)
- Pygiopsylla sinuata* Holland, 1971, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis  
*Isodon obesulus*  
*Rattus assimilis*  
*Rattus* sp.  
 all from Queensland
- Pygiopsylla solida* Rothschild, 1916  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of *Geohollandia solida* (Rothschild, 1916)
- Pygiopsylla tunneyi* Mardon and Dunnet, 1972, illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 key, diagnosis
- Pygiopsylla woodwardi* Rothschild, 1906  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 as syn. of *Acanthopsylla woodwardi* (Rothschild, 1904)
- Pygiopsylla zethi* (Rothschild, 1904), illus.  
 Dunnet, G. M.; and Mardon, D. K., 1974,  
 Austral. J. Zool., Suppl. s. (30), 1-273  
 synonymy, key, diagnosis  
*Bettongia cuniculus*: Tasmania; Victoria  
*Potorous tridactylus*: Tasmania  
*Isodon obesulus*: Tasmania  
*Thylacis obesulus*: Queensland; Tasmania  
*Perameles obesula*: Tasmania; Victoria  
*Isodon macrourus*: New South Wales  
*Isodon*: Queensland



*Pygiopsylla zethi* (Rothschild, 1904), illus.--  
Continued.

Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
*Perameles nasuta*: New South Wales; Tasmania;  
Victoria

*Perameles gunnii*: Tasmania  
*Dasyurops maculatus*: Tasmania  
*Dasyurus viverrinus*: New South Wales  
*D. quoll*: Tasmania  
*Rattus fuscipes*: Victoria  
*R. lutreolus velutinus*: Tasmania  
*Lepus* sp.: Tasmania  
*Ornithorhynchus anatinus*: Tasmania

#### Pygiopsyllidae

Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis

#### Pygmephorus sp.

Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
*Sorex cinereus*  
*S. fumeus*  
*S. palustris*  
*Blarina brevicauda*  
all from Fires Creek area, Nantahala Moun-  
tains, North Carolina

#### Pygodelphys

Jones, J. B., 1974, N. Zealand J. Marine and  
Freshwater Research, v. 8 (2), 255-273  
key

*Pygodelphys novaeseelandiae* (Schellenberg,  
1922), illus.

Jones, J. B., 1974, N. Zealand J. Marine and  
Freshwater Research, v. 8 (2), 255-273  
*Cnemidocarpa nisiotis*  
*Pyura rugata*  
(branchial basket of all): all from  
Wellington Harbour, New Zealand

*Quadriceps birostris* (Giebel, 1874)

Ward, R. A.; and Downey, J. C., 1973, J. Med.  
Entom., v. 10 (4), 391-396  
*Sterna fuscata oahuensis*  
*S. lunata*  
all from Sand Island, Midway Atoll, Pacific  
Ocean

*Quadriceps hopkinsi* Timmermann, 1953

Ward, R. A.; and Downey, J. C., 1973, J. Med.  
Entom., v. 10 (4), 391-396  
*Anous minutus melanogenys*: Sand Island,  
Midway Atoll, Pacific Ocean

*Quadriceps ornatus striolatus* (Nitzsch, 1866)

Ward, R. A.; and Downey, J. C., 1973, J. Med.  
Entom., v. 10 (4), 391-396  
*Larus hyperboreus*: Sand Island, Midway  
Atoll, Pacific Ocean

*Quadriceps separatus* (Kellogg & Kuwana, 1902)

Ward, R. A.; and Downey, J. C., 1973, J. Med.  
Entom., v. 10 (4), 391-396  
*Anous stolidus pileatus*: Eastern Island,  
Midway Atoll, Pacific Ocean

*Quadrasetta* Brennan 1970

Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere

- Radfordia* sp.  
Sandhu, P. S.; and Kapoor, V. C., 1977, Entom. News, v. 88 (5-6), 151-152  
Rattus rattus  
Mus booduga  
Tatera indica  
all from Punjab, India
- Radfordia affinis*  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
Rattus norvegicus  
Mus musculus  
all from Carshalton
- Radfordia affinis*  
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
Maus
- Radfordia affinis*  
Spicka, E. J., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 418-422  
Mus musculus: Pike County, Indiana
- Radfordia bachai* Howell & Elzinga, 1962  
Whitaker, J. O., jr.; and Wilson, N., 1974, Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: Lavoimyobia hughesi Paran, 1966
- Radfordia* (Graphiurobia) chiropodomys Fain, 1974, illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
description  
Chiropodomys gliroides (cou du cote dorsal): Batavia
- Radfordia* (Austromyobia) dendromus Fain, 1972, nov. tax.  
Fain, A.; and Lukoschus, F., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 622-632  
Dendromus melanotis pecilei: Angola  
Poemys nigrifrons: Kikuyu, Kenya
- Radfordia* (Graphiurobia) eliomys sp. nov., illus.  
Fain, A.; and Lukoschus, F., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 622-632  
Eliomys quercinus: Gafza, Tunisie; Fang, Suisse; Valkenburg, Nederland; Pescasseroli, Italie
- Radfordia ensifera* Poppe  
Goff, M. L., 1975, J. Med. Entom., v. 12 (1), 52-54  
Mus musculus  
Rattus rattus  
all from Midway Islands
- Radfordia ensifera*  
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
Ratte
- Radfordia ensifera*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
Rattus norvegicus: Fires Creek area, Nantahala Mountains, North Carolina
- Radfordia expansa*, n. sp., illus.  
Jameson, E. W., jr.; and Whitaker, J. O., 1975, J. Med. Entom., v. 12 (3), 341-344  
Rattus losea: Ku-kuan, Taichung Prefecture, Taiwan
- Radfordia* (Graphiurobia) graphiuri Fain, 1972, illus.  
Fain, A.; and Lukoschus, F., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 622-632  
description  
Graphiurus hueti: Flanpleu, Cote d'Ivoire  
G. murinus: Mumbwa, Zambie
- Radfordia* (Graphiurobia) graphiuri ssp. kivuana ssp. nov.  
Fain, A.; and Lukoschus, F., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 622-632  
Graphiurus vulcanicus (poils du cou): Rutshuru, Kivu, Republique du Zaïre
- Radfordia hamiltoni*, n. sp., illus.  
Jameson, E. W., jr.; and Whitaker, J. O., 1975, J. Med. Entom., v. 12 (3), 341-344  
Balomys taylori: Denton, Denton County, and 3.2 km E of College Station, Brazos County, Texas
- Radfordia* (Idiurobia) idiuri spec. nov. (tod of subgen.)  
Fain, A., 1973, Rev. Zool. et Bot. Africaines, v. 87 (2), 330-332  
Idiurus zenkeri: Irangi, Zaïre
- Radfordia lemnina*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
Microtus ochrogaster ochrogaster: Coles County, Illinois
- Radfordia lemnina*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
Microtus ochrogaster: Warren County, Kentucky
- Radfordia neotomae*, n. sp., illus.  
Jameson, E. W., jr.; and Whitaker, J. O., 1975, J. Med. Entom., v. 12 (3), 341-344  
Neotoma fuscipes: 8 km W of Winters, Yolo County, California
- Radfordia* (Austromyobia) pachyuromys sp. nov., illus.  
Fain, A.; and Lukoschus, F., 1973, Rev. Zool. et Bot. Africaines, v. 87 (3), 622-632  
Pachyuromys duprasi: Wadi Nabrun, Egypte  
Psammomys obesus: El Katatba
- Radfordia* (Syconycterobia) pseudomys Fain, 1974, illus.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
description  
Pseudomys hermannsburgensis (paupiere, tete): Ehrenberg Range, Central Australia
- Radfordia subuliger*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
Peromyscus leucopus noveboracensis: Coles County, Illinois

- Radfordia subuliger*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
*Peromyscus leucopus*: Warren County, Kentucky
- Radfordia subuliger*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Peromyscus leucopus*  
*P. maniculatus*  
all from Fires Creek area, Nantahala Mountains, North Carolina
- Radfordia (Hylomyscobia) zelotomys spec. nov., illus.*  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 3-32  
*Zelotomys hildegardae* (poils dans la region posterieure du corps): Highlands, Kenya
- Raillietiella gowrii*  
Karuppaswamy, S. A., 1977, Experientia, v. 33 (6), 735-736  
*Raillietiella gowrii*, occurrence of  $\beta$ -chitin in cuticle as opposed to  $\alpha$ -chitin found in arthropod cuticle, suggests that Pentastomida may be considered independent phylum
- Raillietiella hemidactyli*  
Lavoipierre, M. M. J.; and Lavoipierre, M., 1965, Med. J. Malaya, v. 20 (1), 72-73  
American cockroach as intermediate host in life cycle of *Raillietiella hemidactyli*  
*Hemidactylus frenatus* (lungs)  
*Platyurus platyurus* (lungs)  
*Periplaneta americana*  
all from Singapore
- Raillietiella hemidactyli, illus.*  
Lavoipierre, M. M. J.; and Rajamanickam, C., 1973, J. Med. Entom., v. 10 (3), 301-302  
life cycle  
*Periplaneta americana* (hemocoel)  
*Hemidactylus frenatus* (lungs)  
*Cosymbotus platyurus* (lungs)  
*Gehyra mutilata* (lungs)  
(all exper.)
- Raillietiella hemidactyli*  
Rajamanickam, C.; and Lavoipierre, M. M. J., 1965, Med. J. Malaya, v. 20 (2), 171  
*Periplaneta australasiae* as an intermediate host in the life cycle of *Raillietiella hemidactyli*: Malayisa
- Raillietiella orientalis*  
Deakins, D. E., 1973, Tr. Am. Micr. Soc., v. 92 (2), 287-288  
*Raillietiella orientalis*, encysted larvae in hemocoel of adult female represent excellent example of parasitic opportunism and new alternative in an already complex life cycle
- Ratemia Fahrenholz, 1916*  
Zlotorzycka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *R. squamulata* (Neumann, 1911)
- Raymondia sp.*  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Raymondia hardyi Fiedler, 1954*  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
reinstated, distinctions from *R. waterstoni* Jobling
- Raymondia lobulata Speiser, 1900*  
Vazirani, T. G.; and Advani, R., 1976, Oriental Insects, v. 10 (3), 453-457  
*Megaderma lyra lyra*: Darch (62 km from Kota), Ranthambore and Nangal Village, Rajasthan, India
- Raymondia pagodarum Speiser, 1900*  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Hipposideros armiger*: Kuala Lumpur  
*H. galeritus*: Batu caves, Selangor
- Raymondia pseudopagodarum Jobling, 1951*  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Rhinolophus affinis superans*  
*R. sthenos*  
*R. refulgens*  
*R. macrotis dohrni*  
all from Malaya
- Raymondia (Brachyotheca) spinosa, n. sp., illus.*  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Megaderma lyra*: Kuala Lumpur, Selangor
- Raymondia waterstoni Jobling*  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
distinctions from *R. hardyi* Fiedler, 1954
- Rectijanua Gaud, 1961*  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
key to species
- Rectijanua species*  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
*Anas acuta*: Iran  
*Plectropterus gambiensis*: Cameroon; Rhodesia
- Rectijanua braaschi, new species, illus.*  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
key  
*Aythya collaris* (spinal tract in cervical region): Puxico, Stoddard County, Missouri  
*A. erythrophthalma*: Colombia  
*A. australis*: Celebes, Indonesia  
*A. affinis*: Iowa  
*A. nyroca*: Egypt  
*Dendronessa galericulata*: Korea



- Rectijanua graciliora*, new species, illus.  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
key  
*Dendrocygna viduata*: Nord-Cameroun, Cameroun; Saint Lucia, Zululand, Republic of South Africa; north of Bor, Upper Nile prov., Sudan
- Rectijanua oxyuræ*, new species, illus.  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
key  
*Oxyura dominica*: Chone, Manabi prov., Ecuador; Cali, Calle del Cauca dept., Colombia; Brownsville, Texas, U.S.A.; Ariguanabo Marsh, Cuba; Paraguay
- Rectijanua radfordi* Gaud, 1961, illus.  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
key, diagnosis, redescription  
*Pteronetta hartlaubi*: Maroua, Nord-Cameroun, Cameroon and southern Cameroon
- Rectijanua striata*, new species, illus.  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
key  
*Dendrocygna javanica*: Chiangmai and Muan Fang, Chiangmai prov., Thailand; Pahang lowlands, Malaysia  
*Dendrocygna bicolor helva*
- Rectijanua sublobata*, new species, illus.  
Atyeo, W. T.; and Peterson, P. C., 1976, J. Georgia Entom. Soc., v. 11 (4), 349-366  
key  
*Sarkidiornis melanota*: Maoura, Nord-Cameroun, Cameroon
- Reighardia sternæ* (Diesing, 1864) Ward, 1899, illus.  
Bakke, T. A., 1972, Norwegian J. Zool., v. 20 (4), 273-277  
*Reighardia sternæ* in *Larus canus* (trachea and air sacs), age and sex of host, seasonal variance: Agdenes, Norway
- Reighardia sternæ*  
Banaja, A. A.; James, J. L.; and Riley, J., 1976, Parasitology, v. 72 (1), 81-91  
*Reighardia sternæ* implanted into gulls, low egg production, short patent period, low fecundity offset by auto-reinfection and possibly by direct transmission from bird to bird
- Reighardia sternæ*  
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+*Neotoma cinerea* (nest)  
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all from west of Rio Grande in and near Jemez Mts., New Mexico
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all from Gory Sowie
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ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus flavicollis*  
*A. sylvaticus*  
*Microtus arvalis*  
*Mustela nivalis*  
all from Schleswig-Holstein
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seasonal variance  
*Clethrionomys glareolus*  
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*Pitymys subterraneus*  
*Neomys fodiens*  
all from Gory Sowie
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*Sorex araneus*  
*Clethrionomys glareolus*  
*Microtus agrestis*  
*Apodemus agrarius*  
all from eastern Denmark
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*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
*Microtus longicaudus latus*  
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*Peromyscus maniculatus*  
*P. leucopus*  
*P. boylii*  
*P. truei*  
*Neotoma albigula*  
+*N. cinerea* (nest)  
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ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay
- Rhipicephalus appendiculatus*  
Young, A. S.; et al., 1977, *J. Parasitol.*, v. 63 (5), 903-907  
*Theileria lawrencei*-infected *Rhipicephalus appendiculatus*, experimental field population established in a paddock and maintained by *Syncerus caffer*, transmission to cattle introduced into paddock, the lethal *T. lawrencei* challenge established in the paddock may be suitable for testing the efficacy of *T. lawrencei* immunization procedures for cattle
- Rhipicephalus appendiculatus*  
Young, A. S.; et al., 1977, *Tropenmed. u. Parasitol.*, v. 28 (2), 185-194  
successful transmission of *Theileria parva* from eland (*Taurotragus oryx*) to cattle by feeding *Rhipicephalus appendiculatus* and *R. pulchellus* on them; cattle recovered from infections produced antibodies to *Theileria* sp. (eland) and *T. sp.* (Githunguri) previously also recovered from cattle, indications that the 2 species may be related and possibly represent a new species infective for cattle
- Rhipicephalus appendiculatus*  
Young, A. S.; et al., 1977, *Vet. Parasitol.*, v. 3 (4), 283-290  
cattle immunized with *Theileria lawrencei* stabilates from *Rhipicephalus appendiculatus* either by fortuitous recovery or by chemoprophylaxis with oxytetracycline, survival without signs of clinical disease after prolonged natural challenge to *T. lawrencei* derived from *Syncerus caffer*
- Rhipicephalus appendiculatus*  
Young, A. S.; and Purnell, R. E., 1973, *Trop. Animal Health and Prod.*, v. 5 (3), 146-152  
tick (*Rhipicephalus appendiculatus*) transmission of *Theileria lawrencei* (Serengeti) from buffalo to cattle and between intact cattle (*Bos taurus*), difficult to produce infective stabilates
- Rhipicephalus armatus*  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, *J. Med. Entom.*, v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus capensis*: Kenya
- Rhipicephalus australis* Fuller, 1899  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Boophilus microplus* (Canestrini, 1887)
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d'Huart, J. P., 1973, *Rev. Zool. et Botan. Africains*, v. 87 (2), 421-424  
Potamochoerus: Africa
- Rhipicephalus bergeoni* n. sp., *illus.*  
Morel, P. C.; and Balis, J., 1976, *Rev. Elevage et Med. Vet. Pays Trop.*, n. s., v. 29 (2), 141-148  
betail: Hubeta, Ethiopia



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Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
chien  
zebu  
all from Ethiopia
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Borut, S.; and Feldman-Muhsam, B., 1976, J. Parasitol., v. 62 (2), 318-320  
Argasidae spp., Ixodidae spp., in vitro spermiogenesis
- Rhipicephalus bursa*  
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Hyalomma a. anatolicum, *Rhipicephalus bursa*, equine encephalomyelitis virus isolated from ticks: Near East
- R[*hipicephalus*] *bursa*  
Gladenko, I. M.; et al., 1975, Veterinariia, Kiev (42), 102-107  
R[*hipicephalus*] *bursa*, H[*yalomma*] *plumbeum*, sheep treated with dip in trolene, sevin or dicresyl, tick control, no effect on sheep
- Rhipicephalus bursa*  
Joyner, L. P., 1971, Symposia Brit. Soc. Parasitol., v. 9, 1-37  
laboratory maintenance of tick-borne Babesia and Theileria, extensive review: collection of field material and infection of laboratory animals; management and preparation of experimental animals; cyclical maintenance; mechanical transmission; tissue culture; low-temperature preservation
- R[*hipicephalus*] *bursa*  
Malinin, O. O.; and Shuliak, V. D., 1975, Veterinariia, Kiev (42), 107-109  
R[*hipicephalus*] *bursa*, H[*yalomma*] *plumbeum*, sheep treated with combination of sevin and trolene, good tick control, no negative effect on sheep (various blood values monitored)
- Rhipicephalus bursa* Canestrini i Fanzago  
Mikacic, D., 1972, Acta Parasitol. Iugoslavica, v. 3 (1), 49-54  
seasonal occurrence: Rab and Pag
- Rhipicephalus bursa*  
Neitz, W. O., 1972, Onderstepoort J. Vet. Research, v. 39 (2), 83-85  
Theileria ovis, experimental transmission by *Rhipicephalus evertsi* mimeticus and *R. bursa* to splenectomized sheep; reaction of sheep to infestation
- Rhipicephalus bursa*  
Rarotra, J. R.; Yadav, M. P.; and Sethi, M. S., 1977, Indian J. Animal Research, v. 11 (1), 17-22  
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- Rhipicephalus bursa*  
Rudolph, D.; and Knuelle, W., 1974, Nature (5452), v. 249, 84-85  
ixodid ticks, water vapor uptake from atmosphere, site (mouthparts) and mechanism (may be related to hygroscopic properties of salivary secretion)
- Rhipicephalus bursa* Can & Banz, 1877, illus.  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38  
*Lepus europeus*: Alto Aragon
- Rhipicephalus bursa*  
Trifonov, T., 1975, Vet. Med. Nauki, v. 12 (5), 70-79  
ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin
- Rhipicephalus camicasi* n. sp., illus.  
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zebu: Ethiopie (Harrar, Hai Dora); Afars et Issas (Bankwale)  
*Lepus capensis*: Ethiopie (Shoa, parc Awash); Afars et Issas (Obok and Dikhil)  
mouton: Afars et Issas (Assa Geila, Randa, Dikhil and Ali Sabiet)  
chevre: Afars et Issas (Medeho, Dikhil and Ali Sabiet)  
dromadaire: Afars et Issas (Ali Sabiet)
- Rhipicephalus capensis* Koch, 1844  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
all from Africa
- Rhipicephalus capensis*  
Matthewson, M. D.; and Baker, J. A. F., 1975, J. South African Vet. Ass., v. 46 (4), 341-344  
arsenic resistance: Republic of South Africa; Swaziland
- Rhipicephalus complanatus* Neumann, 1910  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
Hylochoerus meinertzhageni  
all from Africa
- Rhipicephalus compositus*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu: Ethiopia
- Rhipicephalus compositus* Neumann, 1897  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
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- Rhipicephalus compositus*  
Matson, B. A.; and Norval, R. A. I., 1977, Rhodesian Vet. J., v. 8 (1), 2-6  
seasonal occurrence of adult ixodid ticks on cattle on a highveld farm: Rhodesia
- Rhipicephalus compositus*  
Wood, W. F.; et al., 1975, J. Chem. Ecol., v. 1 (4), 501-509  
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay
- Rhipicephalus cuspidatus* Neumann, 1906  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus: Africa
- Rhipicephalus dux* Doenitz, 1910  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
Hylchoerus meinertzhageni  
all from Africa
- Rhipicephalus evertsi*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
cheval  
chevre  
mouton  
zebu  
all from Ethiopia
- Rhipicephalus evertsi*  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus crawshayi*: Kenya
- Rhipicephalus evertsi* Neum.  
MacLeod, J.; et al., 1977, Bull. Entom. Research, v. 67 (1), 161-173  
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia
- Rhipicephalus evertsi*  
Matson, B. A.; and Norval, R. A. I., 1977, Rhodesian Vet. J., v. 8 (1), 2-6  
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- Rhipicephalus evertsi*  
Matthewson, M. D.; and Baker, J. A. F., 1975, J. South African Vet. Ass., v. 46 (4), 341-344  
arsenic resistance: Republic of South Africa; Swaziland
- Rhipicephalus evertsi*  
Nayar, M. A.; and Isa, J. F. W., 1973, Bull. Epizoot. Dis. Africa, v. 21 (2), 153-157  
*Rhipicephalus evertsi* and *Amblyomma variegatum* larvae, acaricides
- Rhipicephalus evertsi* Neumann  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
*Gazella thomsonii*  
*G. granti*  
*Connochaetes taurinus*  
*Giraffa camelopardalis tippelskirchi*  
*Alcelaphus buselaphus cokei*  
all from Kenya
- Rhipicephalus evertsi*  
Uilenberg, G.; and Schreuder, B. E. C., 1977, Tropenmed. u. Parasitol., v. 28 (2), 181-184  
*Rhipicephalus evertsi*, successful transmission of *Theileria parva* from engorged nymphs to cross-bred steers (exper.) confirms the potential of *R. evertsi* as vector of East Coast fever; similar trials with *Amblyomma variegatum* were unsuccessful
- Rhipicephalus evertsi* Neumann  
Wills, W.; and Larouze, B., 1976, Melsheimer Entom. Ser. (21), 1-4  
goats (perianal region): Senegal (Pakala; Dioukhane-Serera)
- Rhipicephalus evertsi*, illus.  
Young, A. S.; and Purnell, R. E., 1973, Bull. Epizoot. Dis. Africa, v. 21 (4), 377-383  
development of *Babesia equi* in the salivary glands of *Rhipicephalus evertsi*  
*Equus burchelli*: north-western region of Loliondo controlled area, Tanzania
- Rhipicephalus evertsi evertsi*  
Carmichael, I. H., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 27-29  
*Syncerus caffer*: Ngamiland, Botswana
- Rhipicephalus evertsi evertsi*  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus capensis*: Kenya
- Rhipicephalus evertsi evertsi* Neumann  
Rechav, Y.; Knight, M. M.; and Norval, R.A.I., 1977, J. Parasitol., v. 63 (3), 575-579  
*Rhipicephalus evertsi evertsi*, life cycle under controlled laboratory conditions: preoviposition, oviposition, incubation, feeding period of larvae and nymphs, weight of replete nymphs, emergence of adults
- Rhipicephalus evertsi evertsi* Neumann  
Rechav, Y.; and von Maltzahn, H. C., 1977, Ann. Entom. Soc. Am., v. 70 (5), 768-770  
*Boophilus decoloratus*, *Rhipicephalus evertsi evertsi*, water loss from eggs at various temperatures and relative humidities and correlation between weight loss, hatching, and saturation deficits

- Rhipicephalus evertsi evertsi*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
*Equus zebra zebra*: Mountain Zebra National Park
- Rhipicephalus evertsi evertsi*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 195-198  
*Antidorcas marsupialis*: Mountain Zebra National Park near Cradock, Cape Province
- Rhipicephalus evertsi mimeticus*  
Neitz, W. O., 1972, Onderstepoort J. Vet. Research, v. 39 (2), 83-85  
*Theileria ovis*, experimental transmission by *Rhipicephalus evertsi mimeticus* and *R. bursa* to splenectomized sheep; reaction of sheep to infestation
- Rhipicephalus glabroscutatum*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 77-81  
*Equus zebra zebra*  
*Connochaetes gnou*  
*Redunca fulvorufula*  
*Damaliscus dorcas phillipsi*  
all from Mountain Zebra National Park
- Rhipicephalus glabroscutatum*  
Young, E.; et al., 1973, Research J. National Parks Republic South Africa (16), 195-198  
*Antidorcas marsupialis*: Mountain Zebra National Park near Cradock, Cape Province
- Rhipicephalus haemaphysaloides* Supino  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Canis familiaris* (footpads, ears): Hissar and suburbs, India
- Rhipicephalus humeralis*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu: Ethiopia
- Rhipicephalus hurti* Wilson  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
*Giraffa camelopardalis tippelskirchi*: Kenya
- Rhipicephalus kochi*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia
- Rhipicephalus kochi* group  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus crawshayi*: Kenya
- Rhipicephalus kochi* Doenitz, 1905  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Potamochoerus: Africa
- Rhipicephalus longicoxatus*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia
- Rhipicephalus longus*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu: Ethiopia
- Rhipicephalus longus* Neumann, 1907  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
Hylochoerus meinertzhageni  
all from Africa
- Rhipicephalus longus* Neumann, 1907; [et auct.]  
Saratsiotis, A., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (1), 51-59  
as syn. of *Rhipicephalus senegalensis* Koch, 1844
- Rhipicephalus lunulatus* Neumann, 1899  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Potamochoerus: Africa
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Saratsiotis, A., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (1), 51-59  
*Rhipicephalus muhsamae*, *R. lunulatus*, life cycle study, description of intermediate stages, comparison with other species of *R. simus*-*R. senegalensis* complex  
synonymy  
boeufs: region de Pastoria-Kindia, Ouest africain
- Rhipicephalus masseyi* Nuttall & Warburton, 1908  
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Phacochoerus  
Potamochoerus  
all from Africa
- Rhipicephalus micropla* Canestrini, 1890  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
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- Rhipicephalus muelhensi* Zumpt, 1943  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
all from Africa



- Rhipicephalus muhsamae* Morel et Vassiliades, 1965, illus.  
Saratiotis, A., 1977, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 30 (1), 51-59  
*Rhipicephalus muhsamae*, *R. lunulatus*, life cycle study, description of intermediate stages, comparison with other species of *R. simus*-*R. senegalensis* complex  
Syn.: *Rhipicephalus groupe simus* boeufs: region de Pastoria-Kindia, Ouest africain
- Rhipicephalus oculatus*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia
- Rhipicephalus pravus*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
cheval  
chevre  
dromadaire  
zebu  
all from Ethiopia
- Rhipicephalus pravus* group  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus capensis*  
*L. crawshayi*  
all from Kenya
- Rhipicephalus pravus* Doenitz, 1910  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
all from Africa
- Rhipicephalus pravus* gp.  
MacLeod, J.; et al., 1977, Bull. Entom. Research, v. 67 (1), 161-173  
seasonal activity and attachment sites of ticks on cattle, infestation patterns on other domestic and wild animals: Central Province of Zambia
- Rhipicephalus pulchellus*, illus.  
Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
- Rhipicephalus pulchellus*  
Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
Argasidae and Ixodidae, geographic distribution in Ethiopia  
ane  
cheval  
chevre  
dromadaire  
mouton  
zebu  
all from Ethiopia
- Rhipicephalus pulchellus*  
Browning, T. O., 1976, Physiol. Entom., v. 1 (2), 107-114  
*Rhipicephalus pulchellus*, *R. appendiculatus*, aggregation on grass stems, laboratory and field studies, no evident response to chemical stimulus
- Rhipicephalus pulchellus*  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus capensis*  
*L. crawshayi*  
all from Kenya
- Rhipicephalus pulchellus* group  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus capensis*: Kenya
- Rhipicephalus pulchellus* Gerstaecker  
Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
*Connochaetes taurinus*: Kenya  
*Equus burchelli*: "
- Rhipicephalus pulchellus*, illus.  
Scholten, T., 1976, Canad. Med. Ass. J., v. 115 (6), 491-492  
*Rhipicephalus pulchellus* found embedded in skin of shoulder of woman who had recently returned from visiting Kenya and Tanzania and while there had had close contact with cattle: Canada
- Rhipicephalus pulchellus*  
Wood, W. F.; et al., 1975, J. Chem. Ecol., v. 1 (4), 501-509  
ixodid ticks, phenolic compounds as pheromones, sexual attractants, chemical extraction and bioassay
- Rhipicephalus pulchellus*  
Young, A. S.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (2), 185-194  
successful transmission of *Theileria* parasites from eland (*Taurotragus oryx*) to cattle by feeding *Rhipicephalus appendiculatus* and *R. pulchellus* on them; cattle recovered from infections produced antibodies to *Theileria* sp. (eland) and T. sp. (Githunguri) previously also recovered from cattle, indications that the 2 species may be related and possibly represent a new species infective for cattle
- Rhipicephalus pusillus* Gil Collado, 1936, illus.  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38  
*Sus scrofa*  
*Vulpes vulpes*  
*Lepus europeus*  
*Martes foina*  
*Meles meles*  
all from Alto Aragon

- Rhipicephalus reichenowi*  
Clifford, C. M.; Flux, J. E. C.; and Hoogstraal, H., 1976, J. Med. Entom., v. 13 (1), 40-47  
Ixodidae on *Lepus*, seasonal and regional abundance, age and sex of host  
*Lepus capensis*: Kenya
- Rhipicephalus reichenowi* Zumpt, 1943  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
all from Africa
- Rhipicephalus rossicus*  
Balashov, Iu. S.; Ivanov, V. P.; and Ignat'ev, A. M., 1976, Zool. Zhurnal, v. 55 (9), 1308-1317  
ixodid and argasid ticks, fine structure and function of palpal receptor organ
- Rhipicephalus rossicus*, illus.  
Balashov, Iu. S.; and Leonovich, S. A., 1976, Entom. Obozr., v. 55 (4), 946-952  
ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
- Rhipicephalus sanguineus* (Latreille)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1), 110-111  
*Canis familiaris*: Racine-Kenosha Co., Wisconsin
- Rhipicephalus sanguineus* (Latreille)  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Canis familiaris*: Kenosha County, Wisconsin
- Rhipicephalus sanguineus* (Latreille, 1806)  
Amin, O. M.; and Madbouly, M. H., 1973, J. Med. Entom., v. 10 (3), 295-298  
*Rhipicephalus sanguineus*, *Hippobosca longipennis*, *Heterodoxus spiniger* on *Canis familiaris*, geographic distribution, seasonal variance, climate, sex ratio of parasites: Egypt
- Rhipicephalus sanguineus*  
Barnham, M., 1977, Brit. Med. J. (6097), v. 2, 1288 [Letter]  
ticks on humans as unusual cause of arthropod bites in England; 2 persons with *Rhipicephalus sanguineus* infestation without direct contact with dogs reported from London
- Rhipicephalus sanguineus*  
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Argasidae and Ixodidae, geographic distribution in Ethiopia  
chien  
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all from Ethiopia
- Rhipicephalus sanguineus*  
Bradley, R. E.; and Eidelberg, A. J., 1976, Am. J. Vet. Research, v. 37 (10), 1219-1220  
*Rhipicephalus sanguineus*, fospirate-treated collars, dogs
- Rhipicephalus sanguineus*  
de Chaneet, G., 1976, Austral. Vet. J., v. 52 (9), 433 [Letter]  
*Rhipicephalus sanguineus*, dogs, recent establishment, seasonal prevalence: southern areas of Western Australia
- Rhipicephalus sanguineus* group  
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*L. crawshayi*: Kenya; Uganda
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- Rhipicephalus sanguineus* (Latreille, 1806)  
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- Rhipicephalus sanguineus*  
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dog  
lesser panda  
jaguar  
horse  
camel  
pig  
all from Union Territory of Delhi
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- Rhipicephalus sanguineus*, *illus.*  
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- Rhipicephalus sanguineus* Latreille  
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all from Hissar and suburbs, India
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perro: Santiago de Chile
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monkey: Djikoron, Mali
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*Lagurus lagurus*: Karagandinsk oblast

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Phacochoerus  
Potamochoerus  
all from Africa
- Rhipicephalus senegalensis* Koch, 1844  
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synonymy
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porcupine: Kutaber area, Ethiopia
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Argasidae and Ixodidae, geographic distribution in Ethiopia  
chevre  
chien  
dromadaire  
mouton  
zebu  
all from Ethiopia
- Rhipicephalus simus*  
Carmichael, I. H., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 27-29  
Syncerus caffer: Ngamiland, Botswana
- Rhipicephalus simus* Koch, 1844  
d'Huart, J. P., 1973, Rev. Zool. et Botan. Africains, v. 87 (2), 421-424  
Phacochoerus  
Potamochoerus  
Hylochoerus meinertzhageni  
all from Africa
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seasonal occurrence of adult ixodid ticks on cattle on a highveld farm: Rhodesia
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Pester, F. R. N.; and Laurence, B. R., 1974, J. Zool., London, v. 174 (3), 397-406  
Giraffa camelopardalis tippelskirchi: Kenya
- Rhipicephalus groupe simus*  
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as syn. of *Rhipicephalus muhsamae* Morel et Vassiliades, 1965
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- Rhipicephalus simus*  
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- Rhipicephalus simus senegalensis* Koch, 1844; [et auct.]  
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Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu: Ethiopia
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Hylochoerus meinertzhageni: Africa
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Bergeon, P.; and Balis, J., 1974, Rev. Elevage et Med. Vet. Pays Trop., n.s., v. 27 (3), 285-299  
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Argasidae and Ixodidae, geographic distribution in Ethiopia  
zebu:  
dromadaire  
all from Ethiopia
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Carmichael, I. H., 1976, Onderstepoort J. Vet. Research, v. 43 (1), 27-29  
Syncerus caffer: Ngamiland, Botswana
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ixodid ticks of the tribe Amblyommatini, morphology of Haller's organ, scanning electron microscopy
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zebu: Ethiopia
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Funambulus pennanti: Ludhiana, India
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Saratsiotis, A.; and Battelli, C., 1975, Riv. Parasitol., Roma, v. 36 (2-3), 207-214  
synonymy  
*Rhipicephalus turanicus*, *R. sanguineus*, morphologic comparisons of larval, nymphal and adult stages  
chevre: Sardaigne, Italie  
vache: Pouilles, Italie  
mouton: Pouilles, Italie  
chien: Pouilles, Italie
- Rhipicephalus turanicus*  
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ticks of farm and wild animals, seasonal distribution: Burgas district [and/or] Michurin
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Potamochoerus  
all from Africa
- Rhipistoma leporis* Osborn, 1896  
Jones, E. K.; et al., 1972, Brigham Young Univ. Sc. Bull., Biol. ser., v. 17 (4), 40 pp.  
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Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis
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*Rhopalopsyllidae*, *Malacopsyllidae*, *Vermipsyllidae*, world-wide distribution by zoogeographical regions, host preferences; list of genera and species
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Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description
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Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key
- Rhopalopsyllus gwyni* C. Fox, illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
description  
*Didelphis virginiana*  
*Sciurus carolinensis*  
*Oryzomys palustris*  
*Sigmodon hispidus*  
all from Alabama



## Rhynchophthirina

Emerson, K. C.; and Price, R. D., 1976, Florida  
Entom., v. 59 (4), 425-428  
Mallophaga  
key

## Rhynchopsyllus pulex

Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
Eumops perotis: Big Bend National Park,  
Texas, and Coahuila, Mexico

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Fain, A., 1970, Acarologia, v. 12 (2), 313-325

## Ricinidae

Emerson, K. C.; and Price, R. D., 1976, Florida  
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Amblycera  
key

## Ricinus sp., nymph

Marshall, A. G., 1976, Ecol. Entom., v. 1 (3),  
189-199  
arthropods ectoparasitic upon mammals and  
birds, factors affecting host specificity  
Lichmera incana: New Hebrides

## Ricinus mugimaki (Uchida, 1915)

Marshall, A. G., 1976, Ecol. Entom., v. 1 (3),  
189-199  
arthropods ectoparasitic upon mammals and  
birds, factors affecting host specificity  
Rhipidura spilodera  
R. fuliginosa  
all from New Hebrides

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Ischnopsyllinae  
key

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key
- Sacculina carcini* (Thompson), illus.  
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*Carcinus maenas* (abdomen)
- Sacculina carcini* Thompson  
Chassard-Bouchaud, C.; and Hubert, M., 1976, Cell and Tissue Research, v. 167 (3), 351-361  
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- Saemundssonina albemarlensis* (Kellogg & Kuwana, 1902)  
Ward, R. A.; and Downey, J. C., 1973, J. Med. Entom., v. 10 (4), 391-396  
*Sterna fuscata oahuensis*: Sand Island, Midway Atoll, Pacific Ocean
- Saemundssonina chathamensis* n. sp.  
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human scabies, epidemiologic survey of coastal fishing village showed prevalence of 59% in inhabitants, significant association between infection and poor nutritional state and with heavy helminthic infestation: Adimalathura, Kerala State, India

## Scabies

- Orkin, M.; Epstein, E.; and Maibach, H. I., 1976, *J. Am. Med. Ass.*, v. 236 (10), 1136-1139  
extensive review of treatment and control of human scabies and pediculosis

## Scabies

- Rollier, R.; et al., 1974, *Maroc Med.* (579), v. 54, 321-322  
child, Norwegian type scabies associated with *Hymenolepis nana* intestinal infection, case report: Casablanca

## Scabies

- Rycroft, R. J. G.; and Calnan, C. D., 1977, *Brit. Med. J.* (6082), v. 2, 303-304  
scabies outbreak among employees of fleet of pleasure crafts and among their families, absence of typical scabietic lesions and burrows complicated diagnosis, year-long epidemic finally contained after treatment with gamma benzene hexachloride lotion: Thames River area, Great Britain

## Scabies

- Schenone, H.; et al., 1972, *Bol. Chileno Parasitol.*, v. 27 (1-2), 2-6  
scabies, human, results of epidemiologic survey of increasing incidence, prophylactic measures instituted by public health authorities, mass treatment with lindane emulsion: Santiago, Chile

## Scabies

- Solomon, L. M.; Fahrner, L.; and West, D. P., 1977, *Arch. Dermat.*, Chicago, v. 113 (3), 353-357  
possible toxic reactions of gamma benzene hexachloride in humans treated for scabies and in experimental animals, indications and methods currently recommended for use, review

## Scabies

- Stanoeva, L. J.; et al., 1972, *Makedon. Med. Pregl.*, v. 27 (5-6), 465-471  
scabies, children in pediatric clinic, successful use of benzyl-benzoate and scabin; dermatitis after use of sulfuratum ointment: Macedonia

## Scabies

- Szpakowska, J., 1976, *Polski Tygod. Lekar.*, v. 31 (10), 407-409  
humans, prevalence survey, 1967-1971: Lodz, Poland

## Scabies

- Van Heerden, A., 1977, *J. South African Vet. Ass.*, v. 48 (1), 25-33  
sheep scabies, summary of outbreaks between 1967 and 1976, epidemiology, control: Republic of South Africa

## Scabies

- Vankos, J.; and Reffy, F., 1976, *Orvosi Hetilap*, v. 117 (23), 1403-1405  
increasing incidence of human scabies, most prevalent in winter months, epidemiology and 10-year statistical records of the Clinic for Dermatologic and Venereal Diseases: Budapest

## Scabies

- Villalobos, D.; and Neuman, V., 1975, *Bol. Chileno Parasitol.*, v. 30 (1-2), 2-5  
scabies, human, thiabendazole topical ointment, occasional mild secondary dermatitis: Chile

## Scabies

- Whittle, H. C.; et al., 1973, *Tr. Roy. Soc. Trop. Med. and Hyg.*, v. 67 (3), 349-363  
scabies, pyoderma, and nephritis, clinical and epidemiological study: Zaria, Nigeria

## Scabies

- Wood, J. C., 1975, *Vet. Rec.*, v. 97 (24), 485  
ovine scabies, dieldrin ineffective, gamma-BHC effective

## Scabies

- Wranicz, A.; and Czernielewski, A., 1974, *Przegl. Dermat.*, v. 41 (5), 693-696  
scabies, woman, erythematous-bullous skin eruptions at sites of novoscabin treatment of infested skin, possible toxic reaction to therapy, clinical case report: Poland

- Scambicornus Heegaard*, 1944  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
synonymy, key
- Scambicornus brachysetosus* Reddiah, 1968, illus.  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
description
- Scambicornus calcaratus*, new species, illus.  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Actinopyga miliaris*: New Caledonia (reef between Isle Ndie and Mt. Kumuru, northwest of Noumea; west of Isle Mando, near Noumea)  
    *A. obesa palauensis*: New Caledonia (north of Isle Maitre, near Noumea)  
    *A. plebeja*: New Caledonia (northwestern side of Isle Maitre; north of Isle Maitre; west of Isle Mando, near Noumea)  
    *A. serratidens*: New Caledonia (Ricaudy Reef)  
    *A. echinites*: New Caledonia (Rocher a la Voile, Noumea; Ricaudy Reef, near Noumea; north of Isle Maitre, near Noumea)  
    *A. lecanora*: New Caledonia (eastern side of Isle Maitre; north of Isle Maitre, near Noumea; beach west of Païta, northwest of Noumea)
- Scambicornus campanulipes* (Humes and Cressey, 1961)  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Actinopyga plebeja*: New Caledonia (northwestern side of Isle Maitre, near Noumea)  
    *A. lecanora*: New Caledonia (north of Isle Maitre)
- Scambicornus carinatus* n. sp., illus.  
Stock, J. H., 1968, Bull. Zool. Mus. Univ. Amsterdam, v. 1 (9), 89-105  
    *Stichopus monotuberculatus*: Dahlak Archipelago, southwestern end of island of Umm Aabak, Ethiopia
- Scambicornus idoneus* (Humes and Cressey, 1961)  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Holothuria leucospilota*: New Caledonia (Rocher a la Voile, Noumea)  
    *Halodeima atra*: New Caledonia (Rocher a la Voile; Ricaudy Reef; reef between Isle Ndie and Mt. Kumuru, northwest of Noumea)  
    *Actinopyga echinites*: New Caledonia (Rocher a la Voile, Noumea)  
    *Microthele nobilis*: New Caledonia (Goro; west of Isle Mando, near Noumea)
- Scambicornus modestus* (Humes and Cressey, 1961)  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Stichopus chloronotus*: New Caledonia (Rocher a la Voile, Noumea)  
    *S. variegatus*: New Caledonia (reef between Isle Ndie and Mt. Kumuru, northwest of Noumea; eastern side of Isle Maitre, near Noumea; west of Isle Ngou, near Noumea)
- Scambicornus poculiferus* (Humes and Cressey, 1961)  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Synapta maculata*: New Caledonia (reef 5 kms south of Yate; 1 km offshore from Goro village)
- Scambicornus sewelli*, new species, illus.  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Halodeima edulis*: New Caledonia (near reef between Isle Ndie and Mt. Kumuru, northwest of Noumea; Ricaudy Reef, Noumea; western side of Isle Maitre, near Noumea; southwestern side of Port Ngea, 2 kms north of Ricaudy Reef)  
    *Halodeima coluber*: New Caledonia (southwestern side of Port Ngea, 2 kms north of Ricaudy Reef; eastern side of Isle Maitre, near Noumea)  
    *Halodeima atra*: New Caledonia (Rocher a la Voile; Ricaudy Reef; reef between Isle Ndie and Mt. Kumuru, northwest of Noumea)  
    *Holothuria curiosa*: New Caledonia (Ricaudy Reef; eastern side of Isle Maitre)  
    *Actinopyga echinites*: New Caledonia (Ricaudy Reef, near Noumea)  
    *Microthele nobilis*: New Caledonia (west of Isle Mando)
- Scambicornus subtilis* (Humes and Cressey, 1961)  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Halodeima edulis*: New Caledonia (near reef between Isle Ndie and Mt. Kumuru, northwest of Noumea; Ricaudy Reef, Noumea; Rocher a la Voile, Noumea; western side of Isle Maitre, near Noumea; southwestern side of Port Ngea, 2 kms north of Ricaudy Reef, near Noumea)  
    *H. coluber*: New Caledonia (eastern side of Isle Maitre)  
    *H. atra*: New Caledonia (Rocher a la Voile, Noumea; Ricaudy Reef; reef between Isle Ndie and Mt. Kumuru, northwest of Noumea)  
    *Holothuria curiosa*: New Caledonia (Ricaudy Reef; eastern end of Isle Maitre, near Noumea)  
    *Actinopyga echinites*: New Caledonia (Ricaudy Reef)  
    *Microthele nobilis*: New Caledonia (Goro; west of Isle Mando, near Noumea)
- Scambicornus tuberatus* (Humes and Cressey, 1961)  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Bohadschia vitiensis*: New Caledonia (Anse Vata, Noumea)  
    *B. argus*: New Caledonia (western side of Isle Maitre, near Noumea; west of Isle Ngou, near Noumea)
- Scambicornus tylotus*, new species, illus.  
Humes, A. G., 1975, Smithsonian Contrib. Zool. (202), 41 pp.  
    *Bohadschia argus*: New Caledonia (western side of Isle Maitre, near Noumea; west of Isle Ngou, near Noumea)
- Scaphothrix* Lawrence, 1935  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-713  
    diagnosis, chaetotaxy suggests possible synonymy with *Ixodiderma*

- Scaphothrix convexa* Lawrence, 1935, illus.  
Jack, K. M., 1971, *Acarologia*, v. 12 (4), 684-713  
description
- Schizocarpus Trouessart*, 1896  
Fain, A., 1971, *Acarologia*, v. 12 (4), 824-826  
validity of name, "publiee le 31 janvier 1896"; definition  
Syns.: *Histiophorus* Friedrich, 1895: 433, publie en mars 1896; *Haptosoma* Kramer, 1896: 134, publie le 30 mars 1896; *Prolabidocarpus* Lawrence, 1948: 369.
- Schizolabiacarpus* g. n.  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
Chirodiscidae  
tod: *S. vittatus* sp. n.
- Schizolabiacarpus vittatus* sp. n. (tod)  
Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 37-67  
*Rhinolophus malayanus*: Wang Tangga, Malaya
- Schoengastia californica* Ewing, 1925  
Wrenn, W. J.; and Loomis, R. B., 1973, *J. Med. Entom.*, v. 10 (1), 97-100  
nomen dubium
- Schoengastiella* (Audya) *evillensis* n. sp., illus.  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
*Grammoms dolichurus surdaster* (nasal passages): Kikuswe, near Elisabethville (Katanga Prov., Zaire)  
*Rattus natalensis microdon* (nasal passages): near river Myunga, in Baya, near Elisabethville
- Schoengastiella* (Audya) *nasicola* (Vercammen-Grandjean), illus.  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
synonymy, description
- Schoengastiella* (Fainiella) *womersleyi*, Vercammen-Grandjean, Langston, and Audy, 1973 (due to a clerical error)  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
as syn. of *Walchia* (Fainiella) *womersleyi* n. comb.
- Schoutedenichia* (Nasichia) *aethomyia* n. sp., illus.  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
*Aethomys nyikae walambae* (nasal passage): Baya, near Elisabethville (Katanga Prov., Zaire)
- Schoutedenichia* *bisetosa* Domrow, 1962  
Kundin, W. D.; Nadchatram, M.; and Keong, A., 1972, *J. Med. Entom.*, v. 9 (6), 558-559  
Malaysian trombiculid mites, duration of attachment of larvae on laboratory mice and rats, data for estimation of population densities
- Schoutedenichia* (Nasichia) *doxa* n. sp., illus.  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
*Arvicanthus abyssinicus*  
*Otomys angoniensis elassodon* (nasal passages of all): all from Lanet, near Nakaru (Kenya)
- Schoutedenichia* (Nasichia) *leporis* Vercammen-Grandjean, illus.  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
description, syn.: *Schoutedenichia* (Nasichia) *paradoxa leporis* Vercammen-Grandjean, 1963  
*Lepus crawshayi*: region of Astrida, Riv. Akaniaru (Rwanda)  
*Aethomys nyikae walambae*: region of Elisabethville (Katanga Prov., Zaire)  
*Grammoms dolichurus surdaster*: region of Elisabethville (Katanga Prov., Zaire)  
*Rattus natalensis microdon*: region of Elisabethville (Katanga Prov., Zaire)  
*R. jacksoni*: region of Elisabethville (Katanga Prov., Zaire)  
*Pelomys fallax*: region of Elisabethville (Katanga Prov., Zaire)  
*Saccostomus campestris*: region of Elisabethville (Katanga Prov., Zaire)  
*Otomys angoniensis elassodon*: region of Nairobi (Kenya)  
*Rhodomys pumilio*: region of Nairobi (Kenya) (nasal passages of all)
- Schoutedenichia* (Nasichia) *lipsi* n. sp., illus.  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
*Aethomys nyikae walambae*  
*Cricetomys gambianus viator*  
*Rattus natalensis microdon*  
*R. jacksoni*  
*Pelomys fallax*  
*Saccostomus campestris*  
*Steatomys pratensis*  
*Tatera valida liodon*  
*Grammoms dolichurus surdaster* (nasal passages of all): all from region of Elisabethville (Katanga Prov.)
- Schoutedenichia* (Nasichia) *microdoxa* n. sp., illus.  
Vercammen-Grandjean, P. H., 1975, *Rev. Zool. Africaine*, v. 89 (2), 397-439  
*Otomys angoniensis elassodon* (nasal passages): Kahawa, near Nairobi (Kenya)
- Schoutedenichia* *nagpurensis* sp. nov., illus.  
Srivastava, S. P.; and Wattal, B. L., 1975, *Indian J. Entom.*, v. 35 (2), 150-155  
*Rattus norvegicus*  
*Rattus rattus*  
*Mus musculus*  
*Suncus murinus*  
all from Nagpur (Maharashtra State), India
- Schoutedenichia* *paradoxa* (Jadin, Vercammen-Grandjean, & Herman), illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, *J. Med. Entom.*, v. 9 (6), 487-494



- Schoutedenichia* (*Nasichia*) *paradoxa* (Jadin, Vercammen-Grandjean and Herman, 1954), illus.  
Vercammen-Grandjean, P. H., 1975, Rev. Zool. Africaine, v. 89 (2), 397-439  
synonymy, diagnosis, description
- Schoutedenichia* (*Nasichia*) *paradoxa leporis* Vercammen-Grandjean, 1963  
Vercammen-Grandjean, P. H., 1975, Rev. Zool. Africaine, v. 89 (2), 397-439  
as syn. of *Schoutedenichia* (*Nasichia*) *leporis* Vercammen-Grandjean
- Schoutedenichia* (*Nasichia*) *paradoxa paradoxa*, Vercammen-Grandjean, 1958  
Vercammen-Grandjean, P. H., 1975, Rev. Zool. Africaine, v. 89 (2), 397-439  
as syn. of *Schoutedenichia* (*Nasichia*) *paradoxa* (Jadin, Vercammen-Grandjean and Herman, 1954)
- Schoutedenichia* (*Nasichia*) *schoutedeni* (Vercammen-Grandjean), illus.  
Vercammen-Grandjean, P. H., 1975, Rev. Zool. Africaine, v. 89 (2), 397-439  
synonymy, description  
*Arvicanthus abyssinicus rubescens*: Astrida  
*Cricetomys dissimilis proparator*: Astrida  
*Dasymys bentleyae*: Astrida  
*Otomys irroratus vulcanicus*: Astrida  
*Dendrohyrax arboreus adolfifriederici*: Riv. Akanyaru  
*Crociodura occidentalis kivu*: Astrida  
*Gerbilliscus boehmi*: Astrida  
*Aethomys walambae pedester*: Musha (Rwanda)  
*Otomys angoniensis elassodon*: Lanet, near Nakuru (Kenya)  
(nasal passages of all)
- Schoutedenocoptes aquilae* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
*Accipiter badius*  
*Melierax gabar*  
*Butastur rufipennis*  
(fosses nasales of all): all from Cameroun
- Schoutedenocoptes dartevillei* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, Rev. Zool. Africaine, v. 91 (2), 385-396  
*Tockus nasutus* (fosses nasales): Cameroun
- Scipio aulacodi* (Neumann, 1911)  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
*Thryonomys swinderianus*: Nigeria
- Sclerolistrophorus* g. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
Listrophoridae  
tod: *S. oxymycterus* sp. n.
- Sclerolistrophorus oryzomys* sp. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Oryzomys capito laticeps*: Chapata, Mato Grosso, Bresil
- Sclerolistrophorus oxymycterus* sp. n. (tod)  
Fain, A., 1976, Acta Zool. et Path. Antverpiensia (64), 37-67  
*Oxymycterus judex*: Joinville, Bresil
- Scolecimorpha*  
Jones, J. B., 1974, N. Zealand J. Marine and Freshwater Research, v. 8 (2), 255-273  
key
- Scolopsyllus* new genus  
Mendez, E., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 405-410  
Rhopalopsyllidae, Rhopalopsyllinae, tod:  
*S. colombianus* n. sp.
- Scolopsyllus colombianus* n. sp. (tod), illus.  
Mendez, E., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 405-410  
*Oryzomys caliginosus*: Colombia, Departamento del Valle, Municipio de Cali, Quebrada Honda near Pichinde and Departamento del Valle, Municipio de Cali, Valle del Rio Pichinde  
*Oryzomys* (*Oligoryzomys*) sp. or *Reithrodontomys mexicanus*: Colombia, Departamento del Valle, Municipio de Cali, Quebrada Honda near Pichinde  
*Oryzomys alfaroi*: Colombia, Departamento del Valle, Municipio de Cali, Valle de Rio Pichinde
- Scutacarus* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*: Coles County, Illinois
- Shiinoa* gen. nov.  
Kabata, Z., 1968, J. Nat. Hist., v. 2 (4), 497-504  
tod: *S. occlusa* sp. nov.
- Shiinoa occlusa* gen. et sp. nov. (tod), illus.  
Kabata, Z., 1968, J. Nat. Hist., v. 2 (4), 497-504  
*Shiinoa occlusa*, unique mode of attachment  
*Scomberomorus commersoni* (gill filaments): off Green Island, Queensland
- Shunsennia* Jameson and Toshioka 1953  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Shunsennia tarsalis* Jameson and Toshioka  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus norvegicus caraco*: Korea
- Sigmactenus alticola* Traub, 1954, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas

- Sigmactenus toxopeusi* Smit, 1953, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Simachothrombium* Feider, 1950  
Vercammen-Grandjean, P. H.; and Fieder, Z., 1973, Riv. Parassitol., Roma, v. 34 (2), 121-126  
as syn. of *Centrotrombidium* Kramer, 1896
- Siphona* Meigen, 1803, of authors, not of Meigen  
Pont, A. C., 1973, Austral. J. Zool., Suppl. s. (21), 129-296  
as syn. of *Haematobia* Lepeletier & Serville, in Latreille et al., 1828
- Siphona exigua* (de Meijere)  
Pont, A. C., 1973, Austral. J. Zool., Suppl. s. (21), 129-296  
as syn. of *Haematobia irritans exigua* de Meijere
- Siphonaptera* [a]  
Beaucournu, J. C.; and Deunff, J., [1976], Ann. Parasitol., v. 50 (6), 1975, 831-835  
parasites of fleas, importance of immediate examination and proper preparation techniques, summary of some findings in France including parasitic castration of fleas by hyperparasites
- Siphonaptera*  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key to genera: Australia
- Siphonaptera*  
Edler, A.; and Nilsson, A., 1973, Entom. Scand., v. 4 (4), 274-282  
ectoparasites of small mammals from two woodland habitats, seasonal variation, frequency and intensity of infestation, numerical comparison of ectoparasitic groups: southern Sweden
- Siphonaptera*  
George, R. S., 1974, Provisional atlas of the insects of the British Isles. Part 4. Siphonaptera. Fleas, 12 pp., maps.  
provisional atlas of flea fauna: British Isles
- Siphonaptera*  
Grinbergs, A., 1976, Latvijas Entom. (18), 5-26  
catalogue of fleas and hosts in Latvia
- Siphonaptera*  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
host relationships, review of literature, key to Alabama Siphonaptera, includes: *Rhopalosyllus*; *Echidnophaga*; *Xenopsylla*; *Pulex*; *Odontopsyllus*; *Orchopeas*; *Nosopsyllus*; *Stenoponia*; *Leptopsylla*; *Ctenophthalmus*; *Peromyscopsylla*; *Epitedia*; *Ctenocephalides*; *Cediopsylla*
- Siseca rara* (Walch)  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
*Rattus muelleri*: North Borneo
- Siteroptes absidatus*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Microtus ochrogaster ochrogaster*  
*Peromyscus leucopus noveboracensis*  
all from Coles County, Illinois
- Smitella* new genus  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
*Pygiopsyllidae*, *Pygiopsyllinae*, tod: *S. thambetosa* n. sp..
- Smitella thambetosa* n. gen., n. sp. (tod), illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), Aug. 1, 375-404  
murid rodent: Cyclops Range, Mt. Dafonsoero, Netherlands New Guinea (West Irian)
- Solenodes cypricus* Keler, 1939  
Martin Mateo, M. P., 1975, Rev. Iber. Parasitol., v. 35 (1-2), 41-79  
as syn. of *Goniodes dispar* Burmeister, 1838
- Solenopotes* Enderlein, 1904  
Zatorzycka, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *S. (S.) capillatus* Enderlein, 1904
- Solenopotes capillatus*  
Majewski, T.; et al., 1976, Med. Vet., v. 32 (12), 744-746  
*Solenopotes capillatus*, cattle, dichlorofos effective and non-toxic
- Solenopotes capillatus*  
Neuhauser, H., 1974, Vet. Med. Rev. (4), 348-361  
cattle lice, Tiguvon Spot-on, compared with Tiguvon Pour-on: Australia
- Solenopotes capillatus*  
Oormazdi, H.; and Baker, K. P., 1977, Vet. Parasitol., v. 3 (1), 85-88  
cattle, added benefit of national warble fly eradication scheme (annual dressing with pour-on organophosphorus compounds) is considerable reduction in pediculosis: Northern Ireland compared with Republic of Ireland
- Solenopotes ferrisi* (Fahrenholz)  
Watson, T. G.; and Anderson, R. C., 1975, Canad. J. Zool., v. 53 (8), 1047-1054  
louse populations on *Odocoileus virginianus*, seasonal changes, distribution on body: Long Point, Ontario

- Speleorhynchus cubanus* Santos Dias, 1958  
Dusbabek, F., 1970, *Acarologia*, v. 12 (2), 258-261  
as syn. of *S. praecursor* Neumann, 1902
- Speleorhynchus praecursor* Neumann, 1902, illus.  
Dusbabek, F., 1970, *Acarologia*, v. 12 (2), 258-261  
nymph described  
Syn.: *S. cubanus* Santos Dias, 1958  
*Artibeus jamaicensis parvipes*: Cueva del Indio, Tapaste, Prov. of Havana; Soroa, Prov. of Pinar del Rio; Cueva Bonita, Sierra Cubitas, Prov. of Camaguey; Cueva de los Cayames, Punta del Este, Isla de Pinos
- Speleochoir* Fain, 1966  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
redefinition, key, includes subgens.: *Speleochoir*; *Neospeleochoir* n. subg.
- Speleochoir* Fain, 1966  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
subgen. of *Speleochoir* Fain, 1966  
key, tod: *Speleochoir* (*Speleochoir*) *aitkeni* Fain, 1966
- Speleochoir* (*Speleochoir*) *aitkeni* Fain, 1966 (tod of subgen.)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleochoir barbulata* nov. spec., illus.  
Fain, A.; and Aitken, T. H. G., 1970, *Acarologia*, v. 12 (2), 326-338  
*Mimon crenulatum* (fosses nasales): APEG Forest (Varzea), IPEAN, Belem, Bresil
- Speleochoir* (S.) *barbulata* Fain et Aitken, 1970  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleochoir* (S.) *brasiliensis* Fain et Aitken, 1969  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key, "Une erreur materielle nous a fait dire dans la description originale (page 39) que la coxa III portait 2 poils. C'est un seul poil qu'il fallait lire. La formule coxale est donc 2-I-I-I."
- Speleochoir* (*Neospeleochoir*) *duboisii* (Fain, 1955) (tod of subgen.)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleochoir* (S.) *phyllostomi* (Clark, 1967)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleochoir phyllostomi* Clark, illus.  
Fain, A.; and Aitken, T. H. G., 1970, *Acarologia*, v. 12 (2), 326-338
- Speleocola* Lipovsky 1952  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Speleocola* Lipovsky, 1952  
Goff, M. L.; and Brennan, J. M., 1977, *J. Parasitol.*, v. 63 (6), 1089-1091  
redescription, key to species, includes: *S. tadaridae* Lipovsky 1952; *S. clangula* sp. n.; *S. secunda* Brennan and Jones 1960; *S. cortezi* Loomis and Webb 1969; *S. nolae* sp. n.
- Speleocola clangula* sp. n., illus.  
Goff, M. L.; and Brennan, J. M., 1977, *J. Parasitol.*, v. 63 (6), 1089-1091  
key  
*Rhipidomys* sp.: Venezuela, Monagas, 2 km N, 4 km W of Caripe (San Agustin)
- Speleocola nolae* sp. n., illus.  
Goff, M. L.; and Brennan, J. M., 1977, *J. Parasitol.*, v. 63 (6), 1089-1091  
key  
*Peropteryx kappleri*: Venezuela, Monagas, 2 km S, 2 km W of Caripe, Hda. Tucusito
- Speleognathinae*  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
genera redefined, key to genera and species
- Speleognathopsis* (*Neospeleognathopsis*) Fain, 1958  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
as syn. of *Neospeleognathopsis* Fain, 1958
- Speleognathopsis* (*Paraspeleognathopsis*) Fain, 1958  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
as syn. of *Paraspeleognathopsis* Fain, 1958
- Speleognathopsis galliardi* Fain, 1955  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
as syn. of *Speleomys galliardi* (Fain, 1955) [n. comb.]
- Speleognathus* Womersley, 1936  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
redefinition, key
- Speleognathus australis* Womersley, illus.  
Fain, A., 1970, *Acarologia*, v. 12 (2), 313-325
- Speleognathus australis* Womersley, 1936  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleomyotis* Fain, 1962  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
subgen. of *Neospeleognathopsis* Fain, 1958  
key
- Speleomys* nov. gen.  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
*Ereynetidae*, *Speleognathinae*  
key, tod: *S. galliardi* (Fain, 1955) [n. comb.]
- Speleomys galliardi* (Fain, 1955) [n. comb.] (tod), illus.  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key  
Syn.: *Speleognathopsis galliardi* Fain, 1955



- Speleorodens* Fain, 1962  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
redefinition, key  
Syn.: *Paraspeleognathopsis* (*Speleorodens*)  
Fain, 1963
- Speleorodens clethrionomys* Fain et Lukoschus, 1968, illus.  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleorodens cricetidarum* (Clark, 1967), illus.  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleorodens derricki* (Womersley, 1954), illus.  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Speleorodens strandtmanni* (Fain, 1955) (= *S. sciuri* Clark, 1960)  
Fain, A., 1971, *Acarologia*, v. 12 (3), 509-521  
key
- Sphinctopsylla inca* (Rothschild, 1914), illus.  
Traub, R., 1968, *J. Med. Entom.*, v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Spilopsyllus* Baker, 1905  
Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
key, diagnosis
- Spilopsyllus cuniculi* (Dale 1878)  
Artz, V., 1975, *Entom. Germanica*, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Vulpes vulpes*: Schleswig-Holstein
- Spilopsyllus cuniculi*  
Aubert, M. F. A.; and Beaucournu, J. C., 1976, *Ann. Parasitol.*, v. 51 (1), 143-156  
survey of Siphonaptera of some carnivores with brief notes on biology and chorology  
*Vulpes vulpes*  
*Felis silvestris*  
all from Nord-Est de la France
- Spilopsyllus cuniculi* (Dale, 1878), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
diagnosis, syn.: *Pulex cuniculi*. Dale, 1878  
*Felis catus*: Tasmania
- Spilopsyllus cuniculi* (Dale, 1878)  
Hinaidy, H. K., 1976, *Zentralbl. Vet.-Med.*, Reihe B, v. 23 (1), 66-73  
*Vulpes vulpes*: Österreich
- Spilopsyllus cuniculi*  
Kutzer, E.; and Frey, H., 1976, *Berl. u. Münch. Tierärztl. Wchnschr.*, v. 89 (24), 480-483  
*Lepus europaeus*: Austria
- S[pilopsyllus] cuniculi*  
Roberts, C. J., 1975, *Entom. Gaz.*, v. 26 (2), 139-145  
*Oryctolagus cuniculus*  
*Corvus c. cornix*  
all from Isle of Man
- Spilopsyllus cuniculi* Dale, 1878  
Sanchez Acedo, C.; and Ramon Vericad, J., 1973, *Rev. Iber. Parasitol.*, v. 33 (1), 29-38  
*Sus scrofa*: Alto Aragon
- Spilopsyllus cuniculi*  
Shepherd, R. C. H.; et al., 1977, *J. Austral. Entom.*, v. 16 (1), 1-5  
*Lepus europaeus*: Walpeup, Mallee; Point Cook, central Victoria
- Spilopsyllus cuniculi* (Dale)  
Shepherd, R. C. H.; and Edmonds, J. W., 1976, *Austral. Wildlife Research*, v. 3 (1), 29-44  
*Spilopsyllus cuniculi*, establishment and spread after release on wild population of *Oryctolagus cuniculus* for possible control of rabbit population by myxoma virus, quicker spread when released during host breeding season, upon release myxoma-infected fleas did not become established, localization on hosts, 4 year period: Mallee region, Victoria
- Spilopsyllus cuniculi*  
Shepherd, R. C. H.; and Edmonds, J. W., 1976, *Austral. Vet. J.*, v. 52 (8), 389-390 [Letter]  
*Felis catus*  
*Canis familiaris*  
*Vulpes vulpes*  
*Lepus europaeus*  
*Rattus norvegicus*  
*R. rattus*  
*Mus musculus*  
all from Victoria
- Spilopsyllus cuniculi* (Dale)  
Shepherd, R. C. H.; and Edmonds, J. W., 1977, *J. Hyg., Cambridge*, v. 79 (3), 405-409  
*Spilopsyllus cuniculi*, effectiveness in the transmission and maintenance of myxoma virus (Lausanne strain) in the rabbit population: Mallee region of Victoria
- Spilopsyllus cuniculi* Dale  
Sobey, W. R.; Conolly, D.; and Menzies, W., 1977, *J. Hyg., Cambridge*, v. 78 (3), 349-353  
simple method of breeding large numbers of rabbit fleas (*Spilopsyllus cuniculi*)
- Spinturnix* spp., illus.  
Sanchez-Acedo, C.; Otero, J.; and Albala-Perez, F., 1974, *Rev. Iber. Parasitol.*, v. 34 (3-4), 245-252  
*Rhinolophus ferrum equinum*  
*Nyctalus maximus*  
all from Spain
- Spinturnix* sp. b Bradshaw & Ross, 1961  
Whitaker, J. O., jr.; and Wilson, N., 1974, *Am. Midland Naturalist*, v. 91 (1), 1-67  
as syn. of *Spinturnix bakeri* Rudnick, 1960

- Spinturnix* sp. O Bradshaw & Ross, 1961  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Spinturnix orri* Rudnick, 1960
- Spinturnix acuminatus barbastelli* (Kol., 1856),  
illus.  
Pinchuk, L. M., 1971, Parazity Zhivot. i Ras-  
ten., Akad. Nauk Moldavsk. SSR (7), 93-110  
description  
Barbastella barbastellus: Moldavia
- Spinturnix acuminatus acuminatus* (Koch, 1836),  
illus.  
Pinchuk, L. M., 1971, Parazity Zhivot. i Ras-  
ten., Akad. Nauk Moldavsk. SSR (7), 93-110  
description  
Nyctalus noctula  
N. leisleri  
Myotis myotis  
Vespertilio serotinus  
all from Moldavia
- Spinturnix americanus*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
Myotis yumanensis: Big Bend National Park,  
Texas  
M. velifer: Big Bend National Park, Texas,  
and Coahuila, Mexico  
M. thysanodes: Big Bend National Park, Texas  
Eptesicus fuscus: Big Bend National Park,  
Texas, and Coahuila, Mexico  
Antrozous pallidus: Big Bend National Park,  
Texas
- Spinturnix americanus* (Banks, 1902)  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Spinturnix bakeri*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
Eptesicus fuscus: Big Bend National Park,  
Texas
- Spinturnix bakeri* Rudnick, 1960  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Spinturnix carloshoffmani* Hoffman  
Reisen, W. K.; Kennedy, M. L.; and Reisen,  
N. T., 1976, J. Parasitol., v. 62 (4), 628-635  
winter ecology of ectoparasites collected  
from hibernating Myotis velifer (incidence,  
intensity, monthly changes, parasite and host  
sex ratio, interspecific associations, para-  
site age structure, etc.)  
Myotis velifer: Harmon County, southwestern  
Oklahoma
- Spinturnix carnifex* (Koch, 1939), illus.  
Pinchuk, L. M., 1971, Parazity Zhivot. i Ras-  
ten., Akad. Nauk Moldavsk. SSR (7), 93-110  
description  
Vespertilio serotinus  
Myotis oxygnathus  
all from Moldavia
- Spinturnix grossus* Kohls & Jellison, 1948 (not  
Banks, 1910)  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Spinturnix americanus* (Banks,  
1902)
- Spinturnix iowae* Keegan, 1943  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of *Spinturnix americanus* (Banks,  
1902)
- Spinturnix myoti* (Kolenati, 1856), illus.  
Pinchuk, L. M., 1971, Parazity Zhivot. i Ras-  
ten., Akad. Nauk Moldavsk. SSR (7), 93-110  
description  
Myotis oxygnathus  
M. daubentoni  
M. dasycneme  
Rhinolophus hipposideros  
Myotis myotis  
all from Moldavia
- Spinturnix mystacinus* (Kolenati, 1857), illus.  
Pinchuk, L. M., 1971, Parazity Zhivot. i Ras-  
ten., Akad. Nauk Moldavsk. SSR (7), 93-110  
description  
Myotis mystacinus: Moldavia
- Spinturnix orri*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
Antrozous pallidus: Big Bend National Park,  
Texas
- Spinturnix orri* Rudnick, 1960  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
synonymy
- Spinturnix plecotinus* (Koch, 1839), illus.  
Pinchuk, L. M., 1971, Parazity Zhivot. i Ras-  
ten., Akad. Nauk Moldavsk. SSR (7), 93-110  
description  
Plecotus auritus: Moldavia
- Spinturnix psi* Kolenati, 1856  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan
- Spinturnix psi* (Kolen.)  
Petrova, A. D.; and Taskaeva, E. Z., 1975,  
Biol. Moskov. Obsh. Ispyt. Priro., Otdel  
Biol., v. 80 (5), 58-64  
Miniopterus schreibersii: Kun'min, Yun'nan  
province (southeastern Chinese People's  
Republic)
- Stachiella ermineae* (Hopkins)  
Artz, V., 1975, Entom. Germanica, v. 1 (2),  
105-143  
ectoparasites of small mammals, prevalence  
in relation to ecological factors (geology,  
soil type, vegetation patterns), family of  
host and sex of host; technique for live  
parasitism rates  
Mustela erminea: Schleswig-Holstein
- Stachiella mustelae* (Schränk)  
Artz, V., 1975, Entom. Germanica, v. 1 (2),  
105-143  
ectoparasites of small mammals, prevalence  
in relation to ecological factors (geology,  
soil type, vegetation patterns), family of  
host and sex of host; technique for live  
parasitism rates  
Mustela nivalis: Schleswig-Holstein

*Steatonyssus kolenati*

Uchikawa, K.; and Kumada, N., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 423-429

key to species found in Japan

*Steatonyssus* sp.

Howell, F. G.; and Chapman, B. R., 1976, Southwest. Nat., v. 21 (3), 275-280  
found in samples of debris from cliff swallow nests containing the bats *Tadarida brasiliensis* and *Eptesicus fuscus*: northwestern Texas

*Steatonyssus* sp., *illus.*

Pinchuk, L. M., 1971, Parazity Zhivot. i. Ras-ten., Akad. Nauk Moldavsk. SSR (7), 110-115  
description  
[no host]: Moldavia

*Steatonyssus* sp.

Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Lasionycteris noctivagans*: Fires Creek area, Nantahala Mountains, North Carolina

*Steatonyssus* species

Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Myotis riparius*  
*Histiotus velatus*  
all from Minas Gerais, Brazil

*Steatonyssus antrozoi* Radovsky and Furman

Dooley, T. J.; Bristol, J. R.; and Canaris, A. G., 1976, J. Mamm., v. 57 (1), 189-191  
*Antrozous pallidus pallidus*: southwestern United States

*Steatonyssus antrozoi*

Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Myotis yumanensis*  
*Antrozous pallidus*  
all from Big Bend National Park, Texas

*Steatonyssus emarginatus* Radovsky and Furman

Dooley, T. J.; Bristol, J. R.; and Canaris, A. G., 1976, J. Mamm., v. 57 (1), 189-191  
*Pipistrellus hesperus maximus*: southwestern United States

*Steatonyssus emarginatus*

Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Pipistrellus hesperus*: Big Bend National Park, Texas

*Steatonyssus furmani*

Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Lasiurus cinereus*: Big Bend National Park, Texas

*Steatonyssus furmani*

Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Lasiurus borealis*: Fires Creek area, Nantahala Mountains, North Carolina

*Steatonyssus hsui* Li

Uchikawa, K.; and Kumada, N., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 423-429  
as syn. of *Steatonyssus longispinosus* Wang, 1963, probably

*Steatonyssus longispinosus* Wang, 1963, *illus.*

Uchikawa, K.; and Kumada, N., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 423-429  
redescription, key  
Syn.: *S. hsui* Li, probably  
*Pipistrellus abramus*: Japan (Kita-ku and Moriyama-ku, Nagoya City; Gifu City; Koshigaya City; Nagasaki City)

*Steatonyssus murinus* Lucas, 1840

Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan

*Steatonyssus occidentalis* (Ewing)

Dooley, T. J.; Bristol, J. R.; and Canaris, A. G., 1976, J. Mamm., v. 57 (1), 189-191  
*Pipistrellus hesperus maximus*  
*Eptesicus fuscus pallidus*  
all from southwestern United States

*Steatonyssus occidentalis*

Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Eptesicus fuscus*  
*Tadarida brasiliensis*  
*T. macrotis*  
all from Big Bend National Park, Texas

*Steatonyssus periblepharus* Kolenati, 1858, *illus.*

Pinchuk, L. M., 1971, Parazity Zhivot. i. Ras-ten., Akad. Nauk Moldavsk. SSR (7), 110-115  
description  
*Vespertilio serotinus*: Moldavia

*Steatonyssus spinosus* Willmann, 1936, *illus.*

Pinchuk, L. M., 1971, Parazity Zhivot. i. Ras-ten., Akad. Nauk Moldavsk. SSR (7), 110-115  
description  
*Vespertilio serotinus*  
*Nyctalus leisleri*  
*Myotis dasycneme*  
*Plecotus auritus*  
*Pipistrellus pipistrellus*  
*Nyctalus noctula*  
*Myotis oxygnathus*  
all from Moldavia

*Steatonyssus spinosus* Willmann, 1936

Uchikawa, K.; and Kumada, N., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 423-429  
key  
*Nyctalus lasiopterus aviator*: Okaya City and Aomori Prefecture, Japan  
*Vespertilio superans*: Tenmabayashi Village, Aomori Prefecture, Japan

*Steatonyssus superans* Zemskaya, 1951

Uchikawa, K.; and Kumada, N., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 423-429  
key  
*Vespertilio superans*: Tenmabayashi Village, Aomori Prefecture, Japan  
*Nyctalus lasiopterus aviator*: Aomori Prefecture, Japan



- Stellicomes pambanensis* sp. nov., illus.  
Padmanabha Rao, C. A., 1964, J. Marine Biol. Ass. India, v. 6 (1), 89-93  
Pentaceros hedemanni: Gulf of Mannar, near Pamban
- Stellicomes tumidulus*  
Padmanabha Rao, C. A., 1964, J. Marine Biol. Ass. India, v. 6 (1), 89-93  
Pentaceros hedemanni: Gulf of Mannar, near Pamban
- Stenepteryx hirundinis*  
Borisova, V. I., 1975, Biol. Nauk., Min. Vyssh. i. Sredn. Spetsial. Obrazovan. SSSR (141), year 18, (9), 14-18  
nest ectoparasite specificity  
+*[Delichon urbica]* (nest)
- Stenepteryx hirundinis*  
Roberts, C. J., 1975, Entom. Gaz., v. 26 (2), 139-145  
+*Delichon urbica* (nest): Isle of Man
- Stenischia lewisi* n. sp., illus.  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
Apodemus gorkha: Lethe, Dhorpatan, Chadiou Khola and Thaksang, Nepal
- Stenischia pagiana* Lewis, 1969, illus.  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
Soriculus nigrescens: Nepal
- Stenischia rhadinopsylloides* n. sp., illus.  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
Pitymys sikimensis: Ringmo, Phoksumdo lake, Nepal
- Stenistomera alpina*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus maniculatus sonoriensis*  
*Peromyscus crinitus pergracilis*  
*Neotoma lepida lepida*  
all from western Utah
- Stenistomera alpina* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Ochotona princeps*  
*Sylvilagus nuttallii*  
*Peromyscus truei*  
*Neotoma mexicana*  
+*N. cinerea* (nest)  
*Lynx rufus*  
all from west of Rio Grande in and near Jemez Mts., New Mexico
- Stenistomera macrodactyla*  
Egoscue, H. J., 1976, Great Basin Nat., v. 36 (4), 475-480  
fleas of *Peromyscus maniculatus sonoriensis* and 3 sympatric rodents compared, degree of flea exchange, frequency, host preference  
*Peromyscus crinitus pergracilis*: western Utah
- Stenistomera macrodactyla* Good  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Peromyscus truei*: west of Rio Grande in and near Jemez Mts., New Mexico
- Stenocrotaphus* Keler, 1939  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *S. gigas* (Taschenberg, 1879)
- Stenoponia* Jordan and Rothschild  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
brief description, key
- Stenoponia americana*  
Buckner, R. L.; and Gleason, L. N., 1974, Tr. Kentucky Acad. Sc., v. 35 (3-4), 70-75  
seasonal occurrences  
*Microtus ochrogaster*  
*Peromyscus leucopus*  
all from Warren County, Kentucky
- Stenoponia americana* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom., v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geographic distribution, host and nest preference, sex ratio, degree of plague infection  
*Peromyscus maniculatus*: west of Rio Grande in and near Jemez Mts., New Mexico
- Stenoponia americana* (Baker), illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
description  
*Peromyscus* sp.  
*P. gossypinus*  
*Oryzomys palustris*  
*Neotoma floridana illinoensis*  
*Pitymys pinetorum*  
*Mus musculus*  
all from Alabama
- Stenoponia americana*  
Whitaker, J. O., jr.; Jones, G. S.; and Pascal, D. D., jr., 1975, J. Elisha Mitchell Scient. Soc., v. 91 (1), 13-17  
*Peromyscus maniculatus*: Fires Creek area, Nantahala Mountains, North Carolina
- Stenoponia americana* (Baker)  
Whitaker, J. O., jr.; and Schmeltz, L. L., 1974, Proc. Indiana Acad. Sc., v. 83, 1973, 478-481  
*Scalopus aquaticus* (fur): Indiana
- Stenoponia ivanovi*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus nivalis*  
+*Arvicola terrestris* (nest)  
all from Armenia

- Stenoponia ponera* Traub & Johnson, 1952, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Stenoponia tripectinata*  
Shiranovich, P. I.; et al., 1977, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (2), 89-95  
Siphonaptera of *Meriones erythraurus*, seasonal distribution, temperature and precipitation in relation to population dynamics of host, incidence of plague and its epizootiology: Transcaucasus
- Stenoponia tripectinata* Tirabosch  
Shumilo, R. P.; and Lunkashu, M. I., 1973, Parazity Zhivot. i Rasten., Akad. Nauk Moldavsk. SSR (9), 208-214  
*Erythropus vespertinus*: Moldavian SSR
- Stenoponia tripectinata tripectinata*  
Ozsán, K.; et al., 1974, Mikrobiyol. Bul., v. 8 (3), 267-269  
*Meriones*: Turkey
- Stenoponia vlasovi* Ioff et Tifl.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Stephanus Tendeiro*, 1969  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69  
Gonioididae  
key, phylogenetic position
- Stephanus affinis* (Taschenberg), illus.  
Tendeiro, J., 1975, Garcia de Orta, s. Zool., v. 4 (1), 57-69
- Stephanocircidae*  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis
- Stephanocircinae*  
Traub, R.; and Dunnet, G. M., 1973, Austral. J. Zool., Suppl. s. (20), 41-128  
diagnosis, relationship with *Craneopsyllinae*
- Stephanocircus* Skuse, 1893  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, key, key to species and subspecies
- Stephanocircus* Skuse, 1893  
Traub, R.; and Dunnet, G. M., 1973, Austral. J. Zool., Suppl. s. (20), 41-128  
revision, description, diagnosis
- Stephanocircus s. str.*  
Traub, R.; and Dunnet, G. M., 1973, Austral. J. Zool., Suppl. s. (20), 41-128  
key to species and subspecies
- Stephanocircus concinnus* Rothschild, 1916, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Rattus fuscipes*  
rat  
*Uromys caudimaculatus*  
all from Queensland
- Stephanocircus concinnus* Rothschild, 1916, illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral. J. Zool., Suppl. s. (20), 41-128  
key, diagnosis, redefinition
- Stephanocircus dasyuri* Skuse  
Beveridge, I.; and Barker, I. K., 1976, Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, *Antechinus stuartii*, seasonal and sex-related variations in numbers of helminths, parasites unlikely directly involved in seasonal mortality of male host; ectoparasites may contribute to anemia in hosts: Powelltown, Victoria
- Stephanocircus dasyuri* Skuse, 1893, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Bettongia penicillata*: Western Australia  
*Potorous tridactylus*: New South Wales; Tasmania; Victoria  
*Pseudocheirus peregrinus*: Victoria  
*Perameles obesula*: Tasmania  
*Thylacis obesulus*: Queensland; South Australia; Tasmania  
*Isodon obesulus*: New South Wales; South Australia; Tasmania; Victoria  
*I. macrourus*: New South Wales  
*Isodon*: Tasmania  
*Perameles nasuta*: New South Wales; Queensland; Victoria  
*Perameles gunnii*: Tasmania  
bandicoot: New South Wales; Queensland; Tasmania  
*Dasyurops maculatus*: Tasmania; Victoria; New South Wales  
*Dasyurus quoll*: Tasmania  
*D. viverrinus*: "  
marsupial cat: "  
native cat: New South Wales; Tasmania  
*Antechinus swainsonii*: Victoria  
*Sminthopsis murina*: Western Australia  
*Rattus rattus*: Tasmania  
*R. assimilis*: Queensland; Victoria  
*R. fuscipes assimilis*: Victoria  
*R. f. greyi*: Victoria  
*R. fuscipes*: Western Australia  
*R. lutreolus*: Tasmania; Victoria  
*R. conatus*: Queensland  
*Hydromys chrysogaster*: Tasmania  
*Mastomys fuscus*: Victoria  
*Melomys cervinipes*: Queensland  
*Rattus norvegicus*: Queensland
- Stephanocircus dasyuri* Skuse, 1893, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Stephanocircus dasyuri* Skuse, 1893, illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral. J. Zool., Suppl. s. (20), 41-128  
key, diagnosis, redefinition

- Stephanocircus domrowi*, sp. nov., illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral.  
J. Zool., Suppl. s. (20), 41-128  
key  
Gymnobelideus leadbeateri: Loch Valley,  
Noojee, Tanjil Bren, and Tommy's Bend,  
6 miles E. of Marysville, Victoria
- Stephanocircus domrowi* Traub and Dunnet, 1973,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Stephanocircus greeni*, sp. nov., illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral.  
J. Zool., Suppl. s. (20), 41-128  
key  
Antechinus swainsonii  
A. stuartii  
all from Silverband Falls, Grampains, Vic-  
toria
- Stephanocircus greeni greeni* Traub and Dunnet,  
1973, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Stephanocircus greeni tasmanica*, subsp. nov.,  
illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral.  
J. Zool., Suppl. s. (20), 41-128  
key  
Antechinus sp.: Maatsuyker Island, S. E.  
Tasmania  
A. swainsonii: Maatsuyker Island, S. E.  
Tasmania  
A. minimus: Maatsuyker Island, S. E. Tas-  
mania; Waratah, Tasmania  
Rattus lutreolus: Cradle Mountain, Tasmania  
tiger cat: Pieman Heads, Tasmania
- Stephanocircus greeni tasmanica* Traub and Dunnet,  
1973, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
Dasyurus maculatus  
Antechinus swainsonii  
A. minimus  
Antechinus sp.  
Rattus lutreolus  
all from Tasmania
- Stephanocircus harrisoni* sp. nov., illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral.  
J. Zool., Suppl. s. (20), 41-128  
key  
Thylacis obesulus: Mt. Glorius, Mt. Nebo  
and Brisbane, Queensland  
bandicoot: Bunya Mountains, Indooroopilly,  
Maleny and Cooloolabin, Queensland  
Perameles nasuta: Upper Allyn, Barrington  
Tops, Canungra and Yabba State Forest,  
New South Wales  
Isodon: Australia  
Macropus rufus: Australia
- Stephanocircus harrisoni* Traub and Dunnet, 1973,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
Macropus rufus: Australia  
Thylacis obesulus: Queensland  
Isodon sp.: Australia  
Perameles nasuta: New South Wales  
bandicoot: Queensland
- Stephanocircus jarvisi*. Rothschild, 1908  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of Coronapsylla jarvisi (Rothschild,  
1908)
- Stephanocircus jarvisi* Rothschild, 1908  
Traub, R.; and Dunnet, G. M., 1973, Austral.  
J. Zool., Suppl. s. (20), 41-128  
as syn. of Coronapsylla jarvisi (Rothschild,  
1908), comb. nov.
- Stephanocircus pectinipes* Rothschild, 1915,  
illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *Stephanocircus sim-  
soni* Rothschild [of] Oudemans, 1909 (nec  
Rothschild, 1905)  
Rattus rattus: New South Wales; Victoria  
R. fuscipes fuscipes: Western Australia  
R. assimilis: New South Wales; Victoria  
R. fuscipes assimilis: Victoria  
R. greyii: South Australia  
R. lutreolus: Tasmania; Victoria  
R. l. assimilis: Victoria  
Mastacomys fuscus: "  
Pseudomys higginsii: Tasmania
- Stephanocircus pectinipes* Rothschild, 1915, illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral.  
J. Zool., Suppl. s. (20), 41-128  
key, diagnosis, redefinition
- Stephanocircus simsoni* Rothschild, 1905, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
Burramys parvus: Victoria  
Dasyurus maculatus: Tasmania  
D. quoll: Tasmania  
Antechinus swainsonii: Victoria  
Rattus assimilis: Australian Capital Terri-  
tory; Victoria  
R. lutreolus: Tasmania  
R. velutinus: "  
Gyomys fumeus: Victoria
- Stephanocircus simsoni* Rothschild [of] Oudemans,  
1909 (nec Rothschild, 1905)  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Stephanocircus pectinipes* Roth-  
schild, 1915



- Stephanocircus simsoni* Rothschild, 1905, illus.  
Traub, R.; and Dunnet, G. M., 1973, Austral.  
J. Zool., Suppl. s. (20), 41-128  
key, diagnosis, redefinition  
*Dasyurus quoll*: Maydena, Tasmania  
*Rattus lutreolus*: Tasmania  
*Antechinus swainsonii*: Australia  
*Burramys parvus*: "  
*Pseudomys fumeus*: "  
*Rattus fuscipes*: "
- Stephanocircus thomasi*. Rothschild, 1903  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Stephanopsylla thomasi* (Rothschild,  
1903)
- Stephanopsylla* Rothschild, 1911  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis
- Stephanopsylla thomasi* (Rothschild, 1903), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis, syn.: *Stephanocircus thomasi*.  
Rothschild, 1903  
*Phascogale tapoatafa*: Victoria  
*Thetomys ferculinus*: Western Australia
- Sternopsylla* Jord. & Roths.  
Liu, C. Y.; Wu, H. Y.; and Wu, F. L., 1977,  
Acta Entom. Sinica, v. 20 (2), 229-235  
subgen. of *Sternopsylla*  
key
- Sternopsylla* Jord. & Roths.  
Liu, C. Y.; Wu, H. Y.; and Wu, F. L., 1977,  
Acta Entom. Sinica, v. 20 (2), 229-235  
key to subgenera
- Sternopsylla* Jordan & Rothschild  
Mahnert, V., 1976, Rev. Suisse Zool., v. 83  
(3), 769-776  
*Ischnopsyllinae*  
key
- Sternopsylla* (Tanglha) *laxisinuata* sp. nov.,  
illus.  
Liu, C. Y.; Wu, H. Y.; and Wu, F. L., 1977,  
Acta Entom. Sinica, v. 20 (2), 229-235  
bats: Bai Cun, Ji-gung, Bo-mi Xian, Tibet
- Sternopsylla* (Tanglha) *megatarsalia* sp. nov.  
(tod of subgen.), illus.  
Liu, C. Y.; Wu, H. Y.; and Wu, F. L., 1977,  
Acta Entom. Sinica, v. 20 (2), 229-235  
bats: Bai Cun, Ji-gung, Bo-mi Xian, Tibet
- Sternopsylla texana*  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
*Leptoncyteris nivalis*  
*Tadarida brasiliensis*  
all from Big Bend National Park, Texas
- Sternopsylla* (Tanglha) *truncata* sp. nov., illus.  
Liu, C. Y.; Wu, H. Y.; and Wu, F. L., 1977,  
Acta Entom. Sinica, v. 20 (2), 229-235  
bats: Bai Cun, Ji-gung, Bo-mi Xian, Tibet
- Sternostoma* sp. A  
Cerny, V.; and Dusbabek, F., 1971, Acarologia,  
v. 12 (3), 479-491  
*Thalasseus sandvicensis acufavidus* (nasal  
cavity): El Socorro, north of Sagua La  
Grande, Prov. of Las Villas, Cuba
- Sternostoma* sp. B  
Cerny, V.; and Dusbabek, F., 1971, Acarologia,  
v. 12 (3), 479-491  
*Teretistris fornsi* (nasal cavity): El Dora-  
do, Sagua La Grande, Prov. of Las Villas,  
Cuba
- Sternostoma angrensis* (Castro, 1948)  
Fain, A.; Herin, A.; and Puylaert, F., 1977,  
Rev. Zool. Africaine, v. 91 (2), 385-396  
*Hirundo aethiopica* (fosses nasales): Cam-  
eroun
- Sternostoma christinae* n. sp., illus.  
Guevara-Benitez, D.; Lopez-Roman, R.; and  
Ubeda-Ontiveros, J. M., 1974, Rev. Iber.  
Parasitol., v. 34 (3-4), 161-170  
*Phylloscopus collybita* (fosses nasales):  
Granada, Espana
- Sternostoma colii* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977,  
Rev. Zool. Africaine, v. 91 (2), 385-396  
*Colius striatus* (fosses nasales): Cameroun
- Sternostoma cooremani* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977,  
Rev. Zool. Africaine, v. 91 (2), 385-396  
*Merops orientalis* (fosses nasales): Cameroun
- Sternostoma cryptorhynchum* Berlese et Trouessart,  
1889  
Fain, A.; Herin, A.; and Puylaert, F., 1977,  
Rev. Zool. Africaine, v. 91 (2), 385-396  
*Clyptospiza monteiri* (fosses nasales): Cam-  
eroun
- Sternostoma fulicae* Fain and Bafort, 1963,  
illus.  
Guevara-Benitez, D.; and Ubeda-Ontiveros, J.  
M., 1975, Rev. Iber. Parasitol., v. 35 (1-2),  
81-93  
description of larva, redescription of fe-  
male  
*Fulica atra* (arbol respiratorio): El Padul  
and Alhama de Granada, provincia de Granada
- Sternostoma hirundinis* Fain, 1956  
Cerny, V.; and Dusbabek, F., 1971, Acarologia,  
v. 12 (3), 479-491  
*Hirundo rustica erythrogaster* (nasal cavity):  
Sabaniya, Baracoa, Prov. of Oriente, Cuba
- Sternostoma hirundo* spec. nov., illus.  
Fain, A.; Herin, A.; and Puylaert, F., 1977,  
Rev. Zool. Africaine, v. 91 (2), 385-396  
*Hirundo rustica*: Chirundu, Afrique du Sud  
H. smithi: Butare, Rwanda  
H. aethiopica: Galim, Cameroun  
(fosses nasales of all)
- Sternostoma kelloggi* Hyland & Clark, 1959  
Cerny, V.; and Dusbabek, F., 1971, Acarologia,  
v. 12 (3), 479-491  
*Mimus polyglottos orpheus* (nasal cavity):  
Baracoa, Prov. of Oriente, Cuba

- Sternostoma longisetosa* Hyland, 1961  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
Empidonax traillii (nasal passages): Sontecomapan and Tlacotalpan, Veracruz, Mexico  
E. alnorum (nasal passages): Sontecomapan and Tlacotalpan, Veracruz, Mexico  
E. virescens (nasal passages): Tlacotalpan, Veracruz, Mexico  
Muscivora tyrannus (nasal passages): Tlacotalpan, Veracruz, Mexico  
Pyrocephalus rubinus (nasal passages): Tlacotalpan, Veracruz, Mexico
- Sternostoma nectarinia* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
Nectarinia pulchella (fosses nasales): Cameroun
- Sternostoma quiscali* Fain & Aitken, 1967  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
Quiscalus niger caribaeus (nasal cavity): Jucaro, Isla de Pinos
- Sternostoma sinense* Fain et Bafort, 1963  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
Phoeniculus purpureus  
Quelea quelea  
Q. erythropus  
(fosses nasales of all): all from Cameroun
- Sternostoma sturnicola* Fain, 1956  
Fain, A.; Herin, A.; and Puylaert, F., 1977, *Rev. Zool. Africaine*, v. 91 (2), 385-396  
Lamprocolius purpureus (fosses nasales): Cameroun
- Sternostoma tracheacolum*  
Aeckerlein, W., 1974, *Prakt. Tierarzt*, v. 55 (8), 432-433  
treatment not yet established  
Poephila gouldiae
- Sternostoma tracheacolum* Lawrence, 1948, illus.  
Blasco Sabio, C.; and Portus Vinyeta, M., 1974, *Rev. Iber. Parasitol.*, v. 34 (1-2), 33-47  
Sternostoma tracheacolum, description, finding in Spanish canaries, treatment with Sevin in food, clinical aspects
- Sternostoma tracheacolum* Lawrence, 1948, illus.  
Guevara-Benitez, D.; and Ubeda-Ontiveros, J. M., 1974, *Rev. Iber. Parasitol.*, v. 34 (1-2), 83-102  
Sternostoma tracheacolum, morphology, variability, life cycle, treatment with methyl salicylate + nitrobenzol unsuccessful  
Serinus canarius (nasal cavity, trachea, lungs): Granada
- Sternostoma tracheacolum* Lawrence, 1948  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
Tyrannus melancholicus (nasal passages): Tlacotalpan, Veracruz, Mexico
- Sternostoma tracheacolum* Lawrence  
McGroarty, D. L.; and Dobson, R. C., 1974, *Am. Midland Naturalist*, v. 91 (2), 479-486  
ectoparasites, seasonal fluctuations  
Passer domesticus: northwestern Indiana
- Sternostomoides orlandoi* Dusbabek, 1969  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
Mimocichla plumbea rubripes (nasal cavity): Santa Fe, Prov. of Havana, Cuba  
Mimocichla plumbea schistacea (nasal cavity): Gran Piedra, Prov. of Oriente, Cuba
- Sternostomoides spatulatus* (Furman, 1957)  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
Catharus fuscescens fuscescens (nasal cavity): Havana, Cuba
- Stilbometopa podopostyla* Speiser  
Greiner, E. C., 1975, *J. Wildlife Dis.*, v. 11 (2), 150-156  
Haemoproteus in Zenaida macroura, prevalence with respect to year, season, host age; no correlation between parent and nestling infections; collection of potential vectors (Culicidae and Hippoboscidae): Lancaster County, Nebraska
- Stivalius abacetus* Jordan & Rothschild, 1922, illus.  
Traub, R., 1968, *J. Med. Entom.*, v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Stivalius anaxilas* M. Rothschild, 1934, illus.  
Traub, R., 1968, *J. Med. Entom.*, v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Stivalius ferinus* (Rothschild, 1908)  
Smit, F. G. A. M., 1974, *Senckenbergiana Biol.*, v. 55 (4-6), 357-398  
Suncus murinus: Nepal
- Stivalius insolli* Traub, 1950, illus.  
Traub, R., 1968, *J. Med. Entom.*, v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Stivalius molestus*. Jordan, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974, *Austral. J. Zool.*, Suppl. s. (30), 1-273  
as syn. of *Metastivalius molestus* (Jordan, 1936)
- Stivalius mordax* (Rothschild, 1908), illus.  
Traub, R., 1968, *J. Med. Entom.*, v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas

- Stivalius novaeguineae* (Rothschild, 1904), illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Stivalius pomerantzi* sp. nov., illus.  
Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64, 1-24  
*Rattus* sp.: Mindanao, Davao Province, East Slope of Mt. McKinley, Philippine Islands
- Stivalius ralius* sp. nov., illus.  
Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64, 1-24  
Apomys: Mindanao, Davao Province, East Slope of Mt. McKinley, Philippine Islands
- Stivalius rectus*. Jordan and Rothschild, 1922  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Metastivalius rectus* (Jordan and Rothschild, 1922)
- Stivalius robinsoni* (Rothschild 1905), illus.  
Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64, 1-24  
synonymy, description of aedeagus  
*Sciurus*  
*Tupaia*  
*Paradoxurus*  
*Viverra zangalla*  
all from Philippine Islands
- Stivalius rugatus* Jordan, 1937, illus.  
Traub, R., 1968, J. Med. Entom., v. 5 (3), 375-404  
discussion of convergent evolution and morphological modifications in helmet-bearing fleas
- Stivalius spiramus* Jordan 1926  
Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64, 1-24  
valid species
- Stomoxys*  
Pont, A. C., 1973, Austral. J. Zool., Suppl. s. (21), 129-296  
key to Australian genera, includes: *Stomoxys* Geoffroy; *Haematobia* Lepeletier and Serville
- Stomoxys Geoffroy*  
Pont, A. C., 1973, Austral. J. Zool., Suppl. s. (21), 129-296  
key, description
- Stomoxys calcitrans* (Linnaeus), illus.  
Pont, A. C., 1973, Austral. J. Zool., Suppl. s. (21), 129-296  
synonymy, description, review: Australia
- Strebula consocius*  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, Entom. News, v. 88 (9-10), 255-258  
*Phyllostomus hastatus*: Minas Gerais, Brazil
- Strelkoviacarus critesi*  
Cooper, C. L.; and Crites, J. L., 1975, J. Med. Entom., v. 12 (4), 483  
*Agelaius phoeniceus*: South Bass Island, Ottawa County, Ohio
- Stricticimex parvus*  
Williams, J. E.; et al., 1976, Bull. World Health Organ., v. 53 (4), 365-369  
*Stricticimex parvus* and *Cimex insuetus* implicated as possible vectors of Kaeng Khoi virus: caves of central Thailand
- Strigiphilus* sp.  
Rak, H.; Anwar, M.; and Niak, A., 1975, Bull. Soc. Path. Exot., v. 68 (6), 588-591  
*Streptopelia turtur*: Iran
- Strotichopsylla talpae talpae*  
Owen, D., 1976, Lab. Animals, v. 10 (3), 271-278  
*Rattus norvegicus*: Carshalton
- Sturnidoecus* sp.  
Marshall, A. G., 1976, Ecol. Entom., v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Turdus poliocephalus*: New Hebrides
- Sturnidoecus philippensis* Tandan & Kumar, 1969  
Tandan, B. K., 1971?, Final Tech. Rep. U. S. P. L. 480 Proj., 1-41  
description  
*Basilornis miranda*: city and Province of Davao, Mindanao Island, Philippine Islands
- Stylidia biarticulata* (Hermann, 1804)  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 24-28  
*Rhinolophus mehelyi*: Azerbaidzhan
- Stylidia biarticulata* (Hermann, 1804)  
Hurka, K., 1976, Acta Entom. Bohemoslov., v. 73 (5), 343-347  
*Rhinolophus ferrumequinum*: Osh region, Kirgizia
- Stylidia biloba* (Theodor et Moscona, 1954)  
Hurka, K., 1976, Acta Entom. Bohemoslov., v. 73 (5), 343-347  
key to males and females
- Stylidia biloba orientalis* Hurka & Povolny, 1968  
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as syn. of *Stylidia orientalis* Hurka & Povolny, 1968 stat. n.
- Stylidia burmensis siamensis* Theodor, 1968  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
*Hipposideros* sp.: Kedah
- Stylidia caudata* Theodor, 1967  
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*Rhinolophus refulgens*: Gunong Benom, Karak, Pahang
- Stylidia fraterna*  
Garnham, P. C. C., 1973, Tr. Roy Soc. Trop. Med. and Hyg., v. 67 (1), 2-3 [Demonstration]  
*Rhinolophus*: Gomanton Cave, Sabah



- Stylidia fraterna* Theodor, 1967  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Rhinolophus affinis superans  
R. refulgens  
R. stheno  
all from Gunong Benom, Pahang
- Stylidia nuditerga* Theodor, 1967  
Hurka, K., 1976, Acta Entom. Bohemoslov., v. 73 (5), 343-347  
key to males and females
- Stylidia orientalis* Hurka & Povolny, 1968 stat. n., illus.  
Hurka, K., 1976, Acta Entom. Bohemoslov., v. 73 (5), 343-347  
key to males and females, redescription  
Syn.: *Stylidia biloba orientalis* Hurka & Povolny, 1968  
Rhinolophus ferrumequinum: Eastern Afghanistan, Lalanda; Western Kirgizia, Kadam-dzhay, Okhna cave (distr. Osh)  
R. hipposideros midas: Eastern Afghanistan, Abdukul near Shigi
- Stylidia ornata theodori* Klein, 1972, illus.  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Rhinolophus macrotis dohrni  
R. stheno  
all from Gunong Benom, Pahang
- Stylidia traubi* Theodor, 1967  
Theodor, O., 1973, J. Med. Entom., v. 10 (6), 556-569  
Hipposideros sp.  
Cynopterus brachyotis  
all from Bukit Lagong forest reserve, Kepong, Selangor
- Subtriquetra subtriquetra* Sambon, 1922, illus.  
Vargas V., M., 1975, Rev. Biol. Trop., v. 23 (1), 67-75  
Subtriquetra subtriquetra, "Description and measurements of the egg, larva and nymph... place this pentastomid in the Porocephalida"  
Cichlasoma nigrofasciatum (natatory vesicle)  
Priapichtys annectens  
Lebistes spp.  
tadpole  
(all exper.)
- Suricatoecus* Bedford, 1932  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy
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key, syn.: Trichodectes quadraticeps Chapman, 1897
- Symoca brachyrrhyncha* (Cummings)  
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as syn. of Polyplax brachyrrhyncha Cummings
- Symoca brachyrrhyncha* Fahrenholz, 1938  
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- Symoca brachyrrhyncha* var. minor Fahrenholz, 1939  
Kim, K. C.; and Emerson, K. C., 1971, J. Med. Entom., v. 8 (1), 7-16  
as syn. of Polyplax brachyrrhyncha Cummings
- Symoca brachyrrhyncha* minor Fahrenholz, 1939  
Kim, K. C.; and Emerson, K. C., 1973, Rev. Zool. et Botan. Africaines, v. 87 (3), 425-455  
as syn. of Polyplax brachyrrhynchus Cummings, 1915
- Syndelphys* gen. nov.  
Lafargue, F.; and Laubier, L., 1977, Arch. Zool. Exper. et Gen., v. 118 (2), 173-196  
Notodelphyidae  
tod: S. reducta sp. n.
- Syndelphys reducta* sp. n. (tod), illus.  
Lafargue, F.; and Laubier, L., 1977, Arch. Zool. Exper. et Gen., v. 118 (2), 173-196  
Didemnum moseyeli: Golfe d'Eilat (Mer Rouge)
- Synosternus cleopatrae*  
Klein, J. M.; et al., 1975, Medecine et Malad. Infect., v. 5 (4), 198-207  
Synosternus cleopatrae, Xenopsylla ramesis, X. nubica, vectors of human plague in Mauritania
- Syringophilinae*  
Kethley, J. B.; and Johnston, D. E., 1975, Misc. Publication Entom. Soc. Am., v. 9 (5), 231-236  
review of evolutionary relationships of bird and mammal ectoparasites and their hosts, resource tracking patterns of parasites through evolutionary time, selective pressure from hosts, host-transfers through time, discordances of parasite and host taxonomy in relation to parasite's ecological needs on host topography; particular discussion of Syringophilinae with mathematical analysis of host and parasite taxonomy
- Syringophiloidus minor*  
Brown, N. S.; and Wilson, G. I., 1975, Am. Midland Naturalist, v. 94 (1), 154-165  
Comparison of ectoparasites from North America and Europe  
Passer domesticus: Boston, Mass.; Stockton-on-Tees, England
- Syringophiloidus minor* (Berlese)  
Casto, S. D., 1973, J. Med. Entom., v. 10 (5), 524  
Syringophiloidus minor, collection method from living birds  
Passer domesticus (quills): Lubbock County, Texas

*Syringophiloidus minor* (Berlese)

Casto, S. D., 1975, Am. Midland Naturalist, v. 93 (2), 495-498

*Syringophiloidus minor*, generation time obtained by relating age of infested quills to occurrence of adult male mites, minimum time necessary for development from egg to adult male estimated to be 39-50 days

*Syringophiloidus minor* (Berlese)

Casto, S. D., 1975, J. Med. Entom., v. 12 (1), 23-27

*Syringophiloidus minor*, infestation rates in different age categories of *Passer domesticus*, infestation patterns of different feathers (primaries, primary coverts, secondaries, rectrices) in juvenal and nuptial plumage, selective advantage of infestation patterns and probable source of dispersants which colonize nuptial feathers during post-juvenal molt: Lubbock, Texas

*Syringophiloidus minor* (Berlese & Trouessart)

McGroarty, D. L.; and Dobson, R. C., 1974, Am.

Midland Naturalist, v. 91 (2), 479-486

ectoparasites, seasonal fluctuations

*Passer domesticus*: northwestern Indiana

*Syringophiloidus minor*

Tieben, G. L., 1976, Proc. Indiana Acad. Sc.,

v. 85, 1975, 405 [Abstract]

techniques for collecting ectoparasites

from small birds

*Passer domesticus*

- Taeniacanthodes haakeri* Ho  
Ho, J.-S., 1975, Fish Bull. (165), State  
Calif., Resources Agency, Dept. Fish and Game,  
69-72  
Paralichthys californicus (dorsal or anal  
fins): Anaheim Bay
- Taeniacanthus dentatus* sp. nov., illus.  
Sebastian, M. J., 1964, J. Marine Biol. Ass.  
India, v. 6 (1), 94-97  
Bembrops caudimaculata (inner surface of  
opercle): Palk Bay
- Tamioiphila grandis* (Rothschild)  
Amin, O. M., 1973, J. Med. Entom., v. 10 (1),  
110-111  
Tamias striatus: Parkside, Wisconsin
- Tamioptochirus* g. n.  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
Listrophoridae  
tod: T. pahangensis sp. n.
- Tamioptochirus pahangensis* sp. n. (tod)  
Fain, A., 1976, Acta Zool. et Path. Antverpi-  
ensia (64), 37-67  
Tamioptochirus macellandi novemlineatus: Gunong  
Benom, Pahang, Malaysia
- Tanglha* subg. nov.  
Liu, C. Y.; Wu, H. Y.; and Wu, F. L., 1977,  
Acta Entom. Sinica, v. 20 (2), 229-235  
subgen. of Sternopsylla  
key, tod: Sternopsylla (Tanglha) megatar-  
salia sp. nov.
- Tarsonemoides truncatus*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr.  
Illinois State Acad. Sc., v. 67 (2), 211-221  
Microtus ochrogaster ochrogaster  
Peromyscus leucopus noveboracensis  
all from Coles County, Illinois
- Tarsopsylla octodecimdentata* (Kolenati 1863)  
Beaucournu, J. C., 1976, Ann. Soc. Entom.  
France, n. s., v. 12 (2), 199-213  
Ceratophyllidae of French mammals, geograph-  
ic distribution, ecology, sex ratio, epi-  
demiological role, review: France
- Tarsopsylla octodecimdentata coloradensis* (Baker)  
Haas, G. E.; et al., 1973, J. Med. Entom.,  
v. 10 (3), 281-289  
fleas of mammals, seasonal occurrence, geo-  
graphic distribution, host and nest prefer-  
ence, sex ratio, degree of plague infection  
Tamiassciurus hudsonicus: west of Rio Grande  
in and near Jemez Mts., New Mexico
- Tarsopsylla octodecimdentata octodecimdentata*  
(Kolenati, 1863)  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 247-  
257  
Vulpes vulpes: Norge
- Tarsopsylla octodecimdentata octodecimdentata*  
Kolenati  
Szabo, I., 1972, Parasitol. Hungar., v. 5,  
329-347  
Sciurus vulgaris fuscoater: Sopron and en-  
vironments, west Hungary
- Tecomatlana Hoffmann* 1947  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in  
the Western Hemisphere
- Tecomatlana texana* (= Trombicula texana)  
Whitaker, J. O., jr.; and Easterla, D. A.,  
1975, Southwest. Nat., v. 20 (2), 241-254  
Tadarida macrotis: Big Bend National Park,  
Texas
- Teredicola typicus* C. B. Wilson, 1942  
McKoy, J. L., 1975, N. Zealand J. Marine and  
Freshwater Research, v. 9 (3), 417-421  
Bankia australis: Bay of Islands, Whangarei,  
Mahurangi, Waitemata and Coromandel Har-  
bours, North Island, New Zealand  
Lyrodus pedicellatus: Coromandel Harbour,  
North Island, New Zealand
- Tetragnonyssus microti* Ewing, 1933  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
as syn. of Laelaps kochi Oudemans, 1936
- Tetragyropus* Ewing, 1924  
Emerson, K. C.; and Price, R. D., 1975, Brig-  
ham Young Univ. Sc. Bull., Biol. ser., v. 20  
(3), 1-77  
as syn. of Gyropus Nitzsch, 1818
- Thaumapsylla breviceps* Rothschild, 1907  
Smit, F. G. A. M., 1977, Beaufortia (330), v.  
26, 39-42  
Rousettus aegyptiacus: Jos, central Nigeria
- Thaumapsylla breviceps* Rothschild 1907, illus.  
Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64,  
1-24  
description  
Rousettus: Mindanao, Davao City, Sitio Te-  
gato, Luangbay Cave, Philippine Islands  
bat: Davao Province, Davao Gulf, Samal Is.,  
Tawang Cave, Philippine Islands
- Thaumapsylla dina* Jordan, 1937  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine,  
v. 89 (1), 191-210  
Rousettus lanosus kempi (leg): Cherangani  
Hills, Kenya
- Thaumapsylla longiforceps* sp. nov., illus.  
Traub, R., 1951, Proc. Biol. Soc. Wash., v. 64,  
1-24  
Rousettus: Mindanao, Davao City, Sitio Tega-  
to, Luangbay Cave, Philippine Islands  
bat: Davao Province, Davao Gulf, Samal Is.,  
Tawang, Bat Cave, Philippine Islands  
Eonycteris robusta: Cotabato Province, Min-  
danao, Cotabato City, Central Cave, Phil-  
ippine Islands
- Thersitina gasterostei* (Pagenstecher, 1861)  
Dickinson, A. B.; and Threlfall, W., 1976,  
Proc. Helminth. Soc. Washington, v. 43 (1),  
86-87  
Pungitius pungitius (gills): insular New-  
foundland



*Thewkachela* new genus

Ide, G. S.; and Kethley, J. B., 1977, *An. Entom. Soc. Am.*, v. 70 (4), 559-562  
*Cheyletidae*  
 tod: *T. ratufi* n. sp.

*Thewkachela ratufi* n. sp. (tod), illus.

Ide, G. S.; and Kethley, J. B., 1977, *An. Entom. Soc. Am.*, v. 70 (4), 559-562  
*Ratufa affinis*: Sabah, Mt. Kinabalu, Tenom-pols; Thailand  
*R. bicolor*: Thailand, Songkhla; Nathawi, Nathawi

*Thompsonia* sp., illus.

Phang, V. P. E., 1976, *Malayan Nature J.*, v. 29 (2), 90-98  
*Thompsonia* sp., morphology, localization on *Portunus pelagicus*, infestation rate, effect on host: shores of Singapore

*Thrassis aridis*

Coultrip, R. L.; et al., 1973, *J. Med. Entom.*, v. 10 (3), 303-309  
 fleas, ticks, mammals, survey for vectors and reservoir hosts of Rocky Mountain spotted fever and sylvatic plague, serological evidence for presence of rickettsial agent but presence of plague not demonstrated  
*Dipodomys heermanni*: Fort Ord, California

*Thrassis bacchi caducus* (Jordan)

Egoscue, H. J., 1977, *Great Basin Nat.*, v. 37 (1), 75-76  
*Lagurus curtatus intermedius*: Uinta County, Wyoming

*Thrassis bacchi johnsoni* Hubbard

O'Farrell, T. P., 1975, *Am. Midland Naturalist*, v. 93 (2), 377-387  
*Lagurus curtatus*: Arid Lands Ecology Reserve, Benton County, Washington

*Thrassis francisi*

Croft, R. E.; and Kingston, N., 1975, *J. Wildlife Dis.*, v. 11 (2), 229-233  
*Falco mexicanus*: Wyoming

*Thrassis petiolatus* (Baker)

O'Farrell, T. P., 1975, *Am. Midland Naturalist*, v. 93 (2), 377-387  
*Spermophilus townsendii*: Arid Lands Ecology Reserve, Benton County, Washington

*Thyromyobia* subgen. nov.

Fain, A., 1976, *Acta Zool. et Path. Antverpiensia* (64), 3-32  
 subgen. of *Acanthophthirius*  
 tod: *A. (Thyromyobia) peruvianus* spec. nov.

*Thysanocercus* sp.

Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
 arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Collocalia esculenta*: New Hebrides

*Thysanote gymnobrachiata* sp. nov., illus.

Kabata, Z., 1968, *J. Nat. Hist.*, v. 2 (4), 505-523  
*Epinephelus merra* (gill rakers): off Heron Island, Queensland

*Tiarapsylla argentina* Jordan, 1942, illus.

Traub, R., 1968, *J. Med. Entom.*, v. 5 (3), 375-404  
 discussion of convergent evolution and morphological modifications in helmet-bearing fleas

## Tick paralysis

Chinery, W. A.; and Ayitey-Smith, E., 1977, *Nature*, London (5592), v. 265, 366-367  
*Rhipicephalus sanguineus sanguineus*, salivary gland homogenate antagonizes action of histamine and potentiates action of acetylcholine on guinea pig ileum, advantage to ixodid ticks in having both histamine-blocking agent and histamine in their saliva, possible relationship of acetylcholine potentiation to tick paralysis

## Tick paralysis

Cooper, B. J.; and Spence, I., 1976, *Nature*, London (5579), v. 263, 693-695  
*Ixodes holocyclus*, mice, paralysis produced is due to temperature-dependent inhibition of evoked release of acetylcholine at neuromuscular junction

## Tick paralysis

Crawford, K. L., 1971, *Maryland State Med. J.*, v. 20 (11), 95-96  
 diagnostic differentiation of common ticks of Maryland, ticks as disease vectors, control and treatment measures

## Tick paralysis

Darrow, G. L., 1974, *Postgrad. Med.*, v. 56 (4), 187-188  
 tick paralysis in 6-year-old girl, clinical case report, complete reversal of symptoms after removal of tick from child's scalp: Florida

## Tick paralysis

Dipeolu, O. O., 1976, *Ztschr. Parasitenk.*, v. 49 (3), 293-295  
*Amblyomma variegatum*, cause of tick paralysis in sheep experimentally infected with ticks, first case reported, case history, possibility of natural cases appearing, need for diagnostic awareness: Nigeria

## Tick paralysis

Doube, B. M.; Kemp, D. H.; and Bird, P. E., 1977, *Austral. Vet. J.*, v. 54 (1), 39-43  
*Ixodes holocyclus*, calves, paralysis, pathogenicity, field collected and laboratory reared ticks, little difference between ticks from different geographic localities; site of attachment had no influence on tick toxicity

## Tick paralysis

- Gothe, R.; and Kunze, K., 1974, Proc. 6. Internat. Conf. World Ass. Adv. Vet. Parasitol. (Vienna, Austria, Sept. 18-20, 1973), 369-382  
*Argas walkerae* larvae causing tick paralysis in chicken, neuroparmacological investigation to assess whether the assumed toxin has an action on the acetylcholine system and whether such action has a role in pathogenesis of tick paralysis

## Tick paralysis

- Gothe, R.; and Kunze, K., 1976, Ztschr. Parasitenk., v. 50 (2), 188  
*Argas walkerae*-induced paralysis, vulnerability of nervus ischiadicus

## Tick paralysis

- Lechevalier, B.; Houtteville, J. P.; and Blet, J. N., 1974, Nouv. Presse Med., v. 3 (8), 456 [Letter]  
 ocular paralysis in man who had been bitten on lower eye lid by tick, case report: Caen, France

## Tick paralysis

- Perchman, G. E., 1976, Rhodesian Vet. J., v. 7 (1), 15-16  
*Rhipicentor nuttalli*, case report, infestation in a dog, paralysis

## Tick paralysis

- Rosenstein, M., 1976, Avian Dis., v. 20 (2), 407-409  
*Argas persicus* larvae, paralyzed chickens, case report, malathion

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- Arthur, D. R., 1973, J. Wildlife Dis., v. 9 (1), 74-84  
 tick-host-disease relationships, review

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 immune inflammatory responses to parasites, interconnections between immediate and delayed hypersensitivities, role of basophils, mast cells, and vasoactive amines (*Trichostrongylus colubriformis*; ticks; *Schistosoma mansoni*), workshop report

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- Banerjee, K.; and Bhat, H. R., 1977, Indian J. Med. Research, v. 66 (2), 175-179  
 correlation between numbers of persons infected with Kyasanur forest disease and intensity of infection in the local tick vectors, intensity in *Haemaphysalis spinigera* very significant while that of *H. turturis* is of little importance: India

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 ticks on humans as unusual cause of arthropod bites in England; 2 persons with *Rhipicephalus sanguineus* infestation without direct contact with dogs reported from London

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 Rocky Mountain spotted fever, history, incidence, tick vectors, clinical aspects, epidemiology, control, extensive review

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- Byford, I.; Colditz, P.; and Sibbick, R., 1976, Queensland Agric. J., v. 102 (1), 11-15  
 tick-resistant dairy cattle, Australian Friesian Sahiwal, high milk and beef production

## Ticks

- Dyk, V., 1976, Veterinarstvi, v. 26 (6), 267-268  
 ticks, elimination from a region, ecological factors, general discussion

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- Giroud, P., 1974, Medecine et Malad. Infect., v. 4 (10), 549-550  
 ticks as vectors of human disease, preventing human contamination during laboratory studies

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- Gothe, R.; and Hartig, M., 1975, Deutsche Tierarztl. Wchnschr., v. 82 (10), 413-419  
 ticks, resistance to acaricides, extensive review

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- Guerrant, R. L.; et al., 1976, Arch. Int. Med., Chicago, v. 136 (7), 811-813  
 tickborne oculoglandular tularemia, case report of woman who accidentally contaminated eye with blood while removing engorged tick from her leg: rural Virginia

## Tick

- Gwahaba, J. J., 1975, J. East Africa Nat. Hist. Soc. and National Mus. (153), 1-14  
*Corvus albus* (chin): Kampala, Uganda

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 statistical epidemiologic survey of tick-borne Rocky Mountain spotted fever in the United States and its increasing incidence

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- Howell, C. J., 1977, J. South African Vet. Ass., v. 48 (1), 11-12  
 larvae and adult ticks in South Africa showed varying degrees of resistance to acaricides, brief review

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*Ixodidae* and *Argasidae*, guide to ticks of Arkansas

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- Lavarde, V.; et al., 1975, Nouv. Presse Med., v. 4 (40), 2886-2887 [Letter]  
 tick-borne *Borrelia* infection in man who had been traveling in Morocco, presenting symptom of fever of unknown origin, history of tick bite: France

- Ticks**  
Morin, B.; et al., 1976, *Nouv. Presse Med.*, v. 5 (31), 1965-1968  
development in humans of acute inflammatory polyradiculoneuritis 1-11 weeks after history of tick bite, 9 case reports, exact etiology unknown: France
- Ticks**  
Osvath, P.; and Endre, L., 1975, *Orvosi Hetilap*, v. 116 (24), 1398-1400  
use of tick extract to hyposensitize children with bronchial asthma
- Ticks**  
Rehacek, J., 1976, *Invert. Tissue Culture, Applications Med., Biol., and Agric.* (Kurstak and Maramorosch), 21-33  
tick cell and tissue culture in arbovirus investigations, review
- Ticks**  
Solomon, K. R.; and Kuhn, P. C., 1976, *J. Econom. Entom.*, v. 69 (1), 17-20  
counting of tick larvae, design, construction and use of photoelectric counter
- Ticks**  
Theis, J. H.; and Ettleman, D. S., 1975, *Am. J. Vet. Research*, v. 36 (4), Part 1, 469-470  
dogs, surgical technique for cannulating right cervical lymphatic duct, use in study of lymph changes induced by feeding ticks
- Ticks**  
Wharton, R. H., 1976, *World Animal Rev.* (20), 8-15  
tick resistance to acaricides, table of world-wide geographical and chronological records, alternate methods of tick control, comprehensive review
- Tick**  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Lasiurus cinereus*: Big Bend National Park, Texas
- Ticks**  
Yunker, C. E., 1975, *Med. Biol.*, v. 53 (5), 302-311  
review of tick-borne viruses associated with seabirds in North America and near-by islands
- Tinaminyssus carapachibeyus** Dusbabek, 1969  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
*Geotrygon chrysia* (nasal cavity): Carapachibey, Isla de Pinos
- Tinaminyssus chiarellii** Amaral & Baquer, 1963, illus.  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
description  
*Pitangus sulphuratus* (nasal passages): Catemco, Veracruz, Mexico
- Tinaminyssus juxtamelloi** sp. n., illus.  
Pence, D. B.; and Canaris, A. G., 1976, *J. Parasitol.*, v. 62 (1), 116-118  
*Columba fasciata* (nasal passages): Mimbres, Luna County, New Mexico
- Toritrombicula Sasa** 1954  
Brennan, J. M.; and Goff, M. L., 1977, *J. Parasitol.*, v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Toucanectes** gen. nov.  
Fain, A., 1968, *J. Nat. Hist.*, v. 2 (4), 459-461  
*Hypoderidae*, tod: *T. ramphastos* sp. nov.
- Toucanectes ramphastos** sp. nov. (tod), illus.  
Fain, A., 1968, *J. Nat. Hist.*, v. 2 (4), 459-461  
*Ramphastos sulfuratus* (under skin of breast, flanks): imported from South America to Antwerp, Belgium
- Trabeculus hexakon** (Waterston, 1914)  
Ward, R. A.; and Downey, J. C., 1973, *J. Med. Entom.*, v. 10 (4), 391-396  
*Puffinus pacificus chlororhynchus*: Eastern Island, Midway Atoll, Pacific Ocean  
*P. nativitatis*: Eastern Island, Midway Atoll, Pacific Ocean  
*Pterodroma leucoptera hypoleuca*: Midway Atoll, Pacific Ocean
- Trichobius** n. sp.  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Mormoops megalophylla*: Big Bend National Park, Texas
- Trichobius** new species  
Whitaker, J. O., jr.; and Mumford, R. E., 1977, *Entom. News*, v. 88 (9-10), 255-258  
*Anoura caudifera*: Minas Gerais, Brazil
- Trichobius corynorhini** Cockrell  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, *J. Parasitol.*, v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Plecotus townsendii*: Harmon County, southwestern Oklahoma
- Trichobius corynorhini**  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Myotis volans*: Coahuila, Mexico  
*Plecotus townsendii*: Big Bend National Park, Texas
- Trichobius major** Coquillett  
Reisen, W. K.; Kennedy, M. L.; and Reisen, N. T., 1976, *J. Parasitol.*, v. 62 (4), 628-635  
winter ecology of ectoparasites collected from hibernating *Myotis velifer* (incidence, intensity, monthly changes, parasite and host sex ratio, interspecific associations, parasite age structure, etc.)  
*Myotis velifer*: Harmon County, southwestern Oklahoma
- Trichobius major**  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, *Southwest. Nat.*, v. 20 (2), 241-254  
*Myotis velifer*: Big Bend National Park, Texas



- Trichobius sphaeronotus*  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Leptoncyteris nivalis*: Big Bend National Park, Texas
- Trichodectes Nitzsch*, 1818  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy
- Trichodectes Nitzsch*, 1818  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *T. canis* (de Geer, 1778)
- Trichodectes barbarae* Neumann, 1913, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Eira barbara*: Venezuela
- Trichodectes canis* (DeGeer), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Trichodectes canis* de Geer  
Singh, A.; and Chhabra, R. C., 1974, Indian J. Animal Sc., v. 43 (5), 1973, 393-397  
seasonal distribution  
*Canis familiaris* (abdomen): Hissar and suburbs, India
- Trichodectes fallax* Werneck, 1948  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key
- Trichodectes felis* Werneck, 1934  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Felicola felis* (Werneck)
- Trichodectes ferrisi* Werneck, 1944, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key
- Trichodectes floridanus* McGregor, 1917  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Trichodectes canis* (DeGeer)
- Trichodectes galictidis* Werneck, 1934, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Trichodectes latifrons* Fahrenholz, 1919  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Trichodectes canis* (DeGeer)
- Trichodectes melis* (J. Fabricius, 1805), illus.  
Mehl, R., 1972, Fauna, Oslo, v. 25 (4), 265-274  
*Meles meles*: Norge
- Trichodectes melis*, illus.  
Sanchez Acedo, C.; and Vericad, J. R., 1973, Rev. Iber. Parasitol., v. 33 (1), 29-38  
*Meles meles*: Alto Aragon
- Trichodectes melis* (J. C. Fabricius, 1805)  
Stefan, P., 1977, Biologia, Bratislava, s. B, Zool. (2), v. 32 (5), 367-379  
*Meles meles*: Slovakia
- Trichodectes mephitidis* Neumann, 1913 (nec Packard, 1872)  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Trichodectes galictidis* Werneck, 1934
- Trichodectes minutus* Paine, 1912  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Neotrichodectes minutus* (Paine)
- Trichodectes nasuatis* Osborn, 1902  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Neotrichodectes pallidus* (Piaget, 1880)
- Trichodectes octomaculatus* Paine  
Amin, O. M., 1976, Great Lakes Entom., v. 9 (4), 195-198  
*Procyon lotor hirtus*: Kenosha County, Wisconsin
- Trichodectes odoicoilei* McGregor, 1917  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Tricholipeurus parallelus* (Osborn)
- Trichodectes pallidus* Piaget, 1880  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Neotrichodectes pallidus* (Piaget, 1880)
- Trichodectes paranensis* Keler, 1934  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Trichodectes galictidis* Werneck, 1934
- Trichodectes pinguis* euarctidos Hopkins, 1954  
Rogers, L. L., 1975, J. Wildlife Dis., v. 11 (2), 189-192  
*Ursus americanus*: Michigan

- Trichodectes potus* Werneck, 1934, illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
key  
*Potus flavus*: Venezuela
- Trichodectes pubescens* Neumann, 1905  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Bovicola equi* (Linnaeus)
- Trichodectes quadraticeps* Chapman, 1897  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Suricatoecus quadraticeps* (Chapman)
- Trichodectes semiarmatus* Neumann, 1913  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Cebidicola semiarmatus* (Neumann)
- Trichodectes subrostratus* Burmeister, 1838  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Felicola subrostratus* (Burmeister)
- Trichodectes subrostratus* Stephens, 1829 (nomen nudum)  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Felicola subrostratus* (Burmeister)
- Trichodectes vestitus* Railliet, 1895  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Bovicola equi* (Linnaeus)
- Trichodectes virginianus* Peters, 1930  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Tricholipeurus lipeuroides* (Megnin)
- Tricholipeurus albimarginatus* (Werneck), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Tricholipeurus lipeuroides* (Megnin), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Tricholipeurus lipeuroides* (Megnin)  
Watson, T. G.; and Anderson, R. C., 1975, Canad. J. Zool., v. 53 (8), 1047-1054  
louse populations on *Odocoileus virginianus*, seasonal changes, distribution on body:  
Long Point, Ontario
- Tricholipeurus parallelus* (Osborn), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Tricholipeurus parallelus*  
Kirkpatrick, C. M.; et al., 1976, Research Bull. Purdue Univ., Agric. Exper. Station (932), 1-42  
*Odocoileus virginianus*: Naval Weapons Support Center, Crane, Indiana
- Tricholipeurus parallelus*  
Thornton, J. E.; et al., 1973, J. Wildlife Dis., v. 9 (2), 160-162  
*Antelope cervicapra*: Texas
- Tricholipeurus parallelus* (Osborn)  
Watson, T. G.; and Anderson, R. C., 1975, Canad. J. Zool., v. 53 (8), 1047-1054  
louse populations on *Odocoileus virginianus*, seasonal changes, distribution on body:  
Long Point, Ontario
- Trichosuroaelaps*  
Tenorio, J. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (2), 147-157  
key to species, includes: *T. strandtmanni* n. sp.; *T. septoria* n. sp.; *T. harrisoni* Domrow, 1961; *T. crassipes* Womersley, 1956; *T. dixoa* Domrow, 1972; *T. marra* Domrow, 1972; *T. striata* Domrow, 1958; *T. fallax* Domrow, 1972; *T. emanuelae* Domrow, 1958; *T. whartoni* Mitchell & Strandtmann, 1964; *T. bakeri* Mitchell & Strandtmann, 1964; *T. domrowi* Mitchell & Strandtmann, 1964
- Trichosuroaelaps bakeri* Mitchell & Strandtmann, 1964  
Tenorio, J. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (2), 147-157  
key  
*Echymipera rufescens*
- Trichosuroaelaps domrowi* Mitchell & Strandtmann, 1964  
Tenorio, J. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (2), 147-157  
key  
*Peroryctes longicauda*
- Trichosuroaelaps septoria* n. sp., illus.  
Tenorio, J. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (2), 147-157  
key  
*Phalanger vestitus*: N of Mt. Giluwe, Tambul, New Guinea (NE); Mt. Giluwe, New Guinea (SE)
- Trichosuroaelaps strandtmanni* n. sp., illus.  
Tenorio, J. M.; and Radovsky, F. J., 1973, J. Med. Entom., v. 10 (2), 147-157  
key  
*Phalanger gymnotis*: Wau Creek, Morobe Dist., New Guinea (NE)
- Trifur tortuosus* Wilson, 1917, illus.  
Kovaleva, A. A.; and Gaevskaia, A. V., 1975, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (4), 78-79  
*Merluccius hubbsi*: Folklandsko-Patagonsk shelf, south-western Atlantic

- Trigonodectes* Keler, 1944  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Trichodectes* Nitzsch, 1818
- Trimenopon* Cummings, 1913  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *T. (T.) hispidum* (Burmeister, 1838)
- Trimenopon hispidum* (Burmeister), illus.  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
synonymy, key
- Trimenopon jenningsi*  
Prosl, H., 1976, Ztschr. Parasitenk., v. 50 (2), 214  
Meerschweinchen
- Trimenoponidae*  
Emerson, K. C.; and Price, R. D., 1976, Florida Entom., v. 59 (4), 425-428  
Amblycera  
key
- Trinoton* Nitzsch, 1818  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *T. anserinum anserinum* (J. C. Fabricius, 1805); *T. querquedulae ludwig-freundi* Eichler, 1954
- Trinoton anserinum* (Fabricius, 1805)  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
synonymy, key
- Trinoton anserinum*  
Seegar, W. S.; et al., 1976, Science (4266), v. 194, 739-740  
Cygnus olor: Black Sea, U.S.S.R.  
*C. columbianus columbianus*: North Carolina
- Trinoton anseris* (Sulzer, 1776) in Hopkins & Clay, 1952  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
as syn. of *Trinoton anserinum* (Fabricius, 1805)
- Trinoton lari* (De Geer, 1778) in Hopkins & Clay, 1952  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
as syn. of *Trinoton querquedulae* (Linne, 1758)
- Trinoton querquedulae* (Linne, 1758)  
Martin, M. P., 1973, Rev. Iber. Parasitol., v. 33 (2-3), 281-294  
synonymy, key  
*Anas platyrhynchos*  
*Aix galericulata*  
all from Spain
- Trinoton querquedulae* (Linnaeus)  
Turner, B. C.; and Threlfall, W., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 157-169  
parasites of *Anas crecca* and *A. discors*, incidence and intensity, age and sex of host  
*Anas crecca*  
*A. discors*  
all from eastern Canada
- Trispeleognathus* (*Trispeleognathus*) *striatus* (Crossley, 1952)  
Fain, A.; and Aitken, T. H. G., 1970, Acarologia, v. 12 (2), 326-338  
*Geotrygon montana* (fosses nasales): APEG Forest (Station A), Belem, Bresil
- Trixacarus* (*Caviacoptes*) *caviae* Fain, Hovell and Hyatt, 1972  
Beresford-Jones, W. P.; Fain, A.; and Thoday, K. L., 1976, Acta Zool. et Path. Antverpiensia (64), 33-36  
case reports, treatment with shampoo containing gamma benzene hexachloride  
*Cavia porcellus*: England
- Trixacarus caviae* (Fain et al., 1972), illus.  
Dorrestein, G. M.; and van Bronswijk, J. E. M. H., 1977, Tijdschr. Diergeneesk., v. 102 (12), 748-753  
*Trixacarus caviae*, guinea-pigs, clinical and histological features, morphological differentiation from *Sarcoptes scabiei* and *Notoedres muris*, transmission to humans
- Trixacarus* (*Caviacoptes*) *caviae* (Fain, Hovell & Hyatt, 1972), illus.  
Thoday, K. L.; and Beresford-Jones, W. P., 1977, J. Small Animal Practice, v. 18 (9), 591-595  
*Trixacarus caviae* in *Cavia porcellus* (skin), clinical features, diagnosis, gamma benzene hexachloride, good results
- Trombewingia* Fonseca 1955  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Trombicula akamushi* (Brumpt)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus luzonicus*  
*R. rattus mindanensis*  
all from Luzon, Philippines
- Trombicula alfreddugesi*, illus.  
Bullmore, C. C.; et al., 1976, Feline Pract., v. 6 (6), 36  
*Trombicula alfreddugesi*, cat (ears), case report, tresaderm
- Trombicula aplodontiae* Brennan & Wharton  
Easton, E. R., 1975, J. Med. Entom., v. 12 (3), 295-298  
*Aplodontia rufa*: Oregon
- Trombicula arenicola* Loomis, 1954  
Tanigoshi, L. K.; and Loomis, R. B., 1974, Melanderia, v. 17, 1-27  
as syn. of *Hyponeocula arenicola* (Loomis) n. comb.



- Trombicula autumnalis*  
Coignoul, F., 1976, Ann. Med. Vet., v. 120  
(8), 549-550  
chats (oreilles, extremités des membres)  
chien (entre les doigts, nez)
- Trombicula autumnalis*  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
Zool. Zhurnal, v. 54 (1), 124-127  
Lagurus lagurus: Karagandinsk oblast
- Trombicula autumnalis*  
Ridgway, J. R., 1973, Vet. Rec., v. 92 (14),  
382 [Letter]  
*Trombicula autumnalis*, horses, lesions and  
clinical signs, effectively treated with  
tripelenamine HCl and wash of derris, case  
report: field at foot of the North Downs
- Trombicula deliense* (Walch)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4  
(2), 145-154  
Rattus luzonicus  
R. rattus mindanensis  
all from Luzon, Philippines
- Trombicula fitchi*  
Whitaker, J. O., jr.; Spicka, E. J.; and  
Schmeltz, L. L., 1976, Proc. Indiana Acad.  
Sci., v. 85, 1975, 431-436  
Sciurus niger  
S. carolinensis  
all from Indiana
- Trombicula japonica* Tanaka et al.  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4  
(2), 145-154  
Rattus norvegicus caraco: Korea
- Trombicula montanensis* Brennan, 1946  
Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27  
as syn. of Hyponeocula montanensis (Brennan)  
n. comb.
- Trombicula montanensis* [of] Brown & Brennan,  
1952; Gould, 1956 (in part)  
Tanigoshi, L. K.; and Loomis, R. B., 1974,  
Melanderia, v. 17, 1-27  
as syn. of Hyponeocula arenicola (Loomis)  
n. comb.
- Trombicula musajevi* Muljarskaja, 1970  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan
- Trombicula* (Leptotrombidium) myotis Ewing  
Amin, O. M., 1976, Great Lakes Entom.,  
v. 9 (4), 195-198  
Tamias striatus ohionensis: Kenosha County,  
Wisconsin
- Trombicula quadriensis* Womersley & Heaslip  
Beveridge, I.; and Barker, I. K., 1976,  
Austral. J. Zool., v. 24 (2), 265-272  
helminths and arthropods, Antechinus stu-  
rtii, seasonal and sex-related variations  
in numbers of helminths, parasites unlikely  
directly involved in seasonal mortality of  
male host; ectoparasites may contribute to  
anemia in hosts: Powelltown, Victoria
- Trombicula* (Miyatrombicula) tokyoensis shanghai-  
ensis subsp. nov., illus.  
Lu, P. Y., 1977, Acta Entom. Sinica, v. 20  
(4), 461-464  
Mustela sibirica davidiana (ears)
- Trombicula whartoni*  
Basolo, F., jr.; and Funk, R. C., 1974, Tr.  
Illinois State Acad. Sci., v. 67 (2), 211-221  
Microtus ochrogaster ochrogaster: Coles  
County, Illinois
- Trombiculids*  
Edler, A.; and Nilsson, A., 1973, Entom.  
Scand., v. 4 (4), 274-282  
ectoparasites of small mammals from two  
woodland habitats, seasonal variation, fre-  
quency and intensity of infestation, numer-  
ical comparison of ectoparasitic groups:  
southern Sweden
- Trombiculid larvae*, illus.  
Rosales Perez, S.; and Jimenez Brito, G., 1969,  
Med. Cutan., v. 4 (3), 35-38  
clinical aspects of dermatitis caused by  
trombiculid larvae, differential  
diagnosis, complications, treatment with DDT  
and benzyl benzoate: Mexico
- Trombiculidae*  
Artz, V., 1975, Entom. Germanica, v. 1 (2),  
105-143  
ectoparasites of small mammals, prevalence  
in relation to ecological factors (geology,  
soil type, vegetation patterns), family of  
host and sex of host; technique for live  
parasitism rates: Schleswig-Holstein
- Trombiculidae*, illus.  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
key to subfamilies, and to 87 genera in  
Western Hemisphere
- Trombiculinae* Ewing 1929  
Brennan, J. M.; and Goff, M. L., 1977, J. Par-  
asitol., v. 63 (3), 554-566  
*Trombiculidae*  
key; key to genera
- Trombigastia schlugeri* Muljarskaja et Dubovchen-  
ko, 1970  
Gadzhiev, A. T.; and Dubovchenko, T. A., 1976,  
Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst.  
Zool. (2), 24-28  
Rhinolophus mehelyi: Azerbaidzhan
- Tropicoseius bakeri* sp. n., illus.  
Dusbabek, F.; and Cerny, V., 1970, Acarologia,  
v. 12 (2), 269-281  
Chlorostilbon ricordii ricordii (nasal cavi-  
ty): Sabanya, near Baracoa, Prov. of Ori-  
ente, Cuba
- Trouessalges pecari* da Fonseca "probably", illus.  
Meleney, W. P., 1975, J. Parasitol., v. 61  
(3), 530-534  
Tayassu tajacu (ears): Hidalgo County,  
New Mexico

- Trouessartia* sp.  
Marshall, A. G., 1976, *Ecol. Entom.*, v. 1 (3), 189-199  
arthropods ectoparasitic upon mammals and birds, factors affecting host specificity  
*Turdus poliocephalus*  
*Rhipidura spilodera*  
*R. fuliginosa*  
all from New Hebrides
- Trouessartia rosteri*  
Cooper, C. L.; and Crites, J. L., 1975, *J. Med. Entom.*, v. 12 (4), 483  
*Sturnus vulgaris*: South Bass Island, Ottawa County, Ohio
- Troupeavia* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, *Tr. Illinois State Acad. Sc.*, v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*: Coles County, Illinois
- Tunga*, illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, *J. Med. Entom.*, v. 9 (6), 487-494
- Tunga caecigena* Jordan & Rothschild, illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, *J. Med. Entom.*, v. 9 (6), 487-494
- Tunga monositus* Barnes & Radovsky, illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, *J. Med. Entom.*, v. 9 (6), 487-494
- Tunga penetrans* (Linnaeus), illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, *J. Med. Entom.*, v. 9 (6), 487-494
- Tunga penetrans*  
Cooper, J. E., 1976, *Vet. Rec.*, v. 98 (23), 472 [Letter]  
*Tunga penetrans*, pigs, gamma benzene hexachloride, successful treatment: Tanzania
- Tunga penetrans*  
Dipeolu, O. O., 1975, *Nigerian J. Animal Prod.*, v. 2 (2), 222-226  
pigs (belly, flank): Ibadan and Eruwa, Western Nigeria
- Tunga penetrans*, illus.  
Goldman, L., 1976, *J. Am. Med. Ass.*, v. 236 (12), 1386  
tungiasis reported in group of women who recently traveled to Africa, epidemiology, clinical management: Cincinnati
- Tunga penetrans*  
Reinhardt, C. A., 1976, *Acta Trop.*, v. 33 (2), 105-132  
*Xenopsylla cheopis*, *Echidnophaga gallinacea*, *Tunga penetrans*, ultrastructure of midgut epithelium in relation to feeding behavior patterns (temporary vs. stationary parasites)
- Tunga penetrans*, illus.  
Scholten, T.; et al., 1977, *Canad. Med. Ass. J.*, v. 117 (4), 368-369  
*Tunga penetrans*, woman, flea discovered in ulcer on toe: Canada, had recently visited in Peru
- Tunga penetrans*  
Tan-Lim, K. N.; and Pluis, A. H., 1972, *Nederl. Tijdschr. Geneesk.*, v. 116 (24), 1013-1016  
*Tunga penetrans* in humans, case reports and clinical management, prophylaxis, local application of nebacetin or ichthyol: Netherlands (infections contracted in Cameroon and Surinam)
- Tunga penetrans* (*Sarcopsylla penetrans*)  
Verhulst, A., 1976, *Vet. Rec.*, v. 98 (19), 384  
*Tunga penetrans*, localization in sow teats causing agalactia: farms on island of Mateba, in Moanda and Kinkenge, Republic of Zaire
- Tur anomalus* Tipton et al., 1966  
Tenorio, J. A. M.; and Radovsky, F. J., 1973, *J. Med. Entom.*, v. 10 (4), 385-391  
as syn. of *Laelaps* (*Mastigolaelaps*) *anomala* (Tipton et al., 1966) Furman, 1972
- Turturicola* Th. Clay et Meinertzhagen, 1937  
Tendeiro, J., 1977, *Rev. Zool. Africaine*, v. 91 (3), 704-712  
synonymy, key to species, includes: *T. puy-laerti* n. sp.; *T. arabica* Tendeiro, 1965; *T. clayae* Tendeiro, 1965; *T. thompsoni* Tendeiro, 1965; *T. verheyeni* n. sp.; *T. salimalii* Th. Clay et Meinertzhagen, 1937; *T. cruzesilvai* Tendeiro, 1965
- Turturicola puy-laerti* n. sp., illus.  
Tendeiro, J., 1977, *Rev. Zool. Africaine*, v. 91 (3), 704-712  
*Streptopelia vinacea* (savannae?): Yagona, Cameroun
- Turturicola verheyeni* n. sp., illus.  
Tendeiro, J., 1977, *Rev. Zool. Africaine*, v. 91 (3), 704-712  
*Streptopelia vinacea* vinacea: Niantougou Togo
- Typhloceras favosus* benrachidi ssp. nova, illus.  
Beaucournu, J. C.; and Abdelkhalek, T., 1977, *Ann. Parasitol.*, v. 52 (5), 577-581  
*Apodemus sylvaticus* ssp: Ain-Draham, N.-O. de la Tunisie
- Typhloceras poppei* Wagner 1903  
Artz, V., 1975, *Entom. Germanica*, v. 1 (2), 105-143  
ectoparasites of small mammals, prevalence in relation to ecological factors (geology, soil type, vegetation patterns), family of host and sex of host; technique for live parasitism rates  
*Apodemus flavicollis*  
*A. sylvaticus*  
all from Schleswig-Holstein

- Typhloceras poppei* Wagner  
Hallas, T. E.; and Bang, P., 1976, *Flora og Fauna*, København, v. 82 (1), 11-18  
seasonal distribution  
*Clethrionomys glareolus*  
*Apodemus agrarius*  
*Apodemus flavicollis*  
all from eastern Denmark
- Typhlodromus* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*: Coles County, Illinois
- Typhlopsylla tristis*. Rothschild, 1900  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Choristopsylla tristis* (Rothschild, 1900)
- Tyranninyssus callinectoides* Brooks & Strandtmann, 1960  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
*Myiarchus tyrannulus* (nasal passages): Tlacotalpan, Veracruz, Mexico
- Tyranninyssus spinosus* Brooks & Strandtmann, 1960  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
*Tyrannus caudifasciatus flavescens* (nasal cavity): Carapachibey, Isla de Pinos  
*Tyrannus caudifasciatus caudifasciatus* (nasal cavity): Canal de Vijil, La Gloria, Prov. of Camaguey, Cuba
- Tyranninyssus spinosus* Brooks & Strandtmann, 1960  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
*Tyrannus melancholicus* (nasal passages): Tlacotalpan, Veracruz, Mexico
- Tyranninyssus tyrannisoides* Brooks & Strandtmann, 1960  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
as syn. of *T. tyrannus* Brooks & Strandtmann, 1960
- Tyranninyssus tyrannus* Brooks & Strandtmann, 1960, illus.  
Hyland, K. E.; and Moorhouse, A., 1970, *Acarologia*, v. 12 (1), 43-58  
diagnosis of species emended, redescription  
Syn.: *T. tyrannisoides* Brooks & Strandtmann, 1960  
*Empidonax traillii* (nasal passages): Son-tecomapan and Tlacotalpan, Veracruz, Mexico  
*E. alnorum* (nasal passages): Son-tecomapan and Tlacotalpan, Veracruz, Mexico  
*E. flaviventris* (nasal passages): Tlacotalpan, Veracruz, Mexico  
*Tyrannus melancholicus* (nasal passages): Tlacotalpan, Veracruz, Mexico
- Tyranninyssus tyrannus caribaeus* Cerny, 1969  
Cerny, V.; and Dusbabek, F., 1971, *Acarologia*, v. 12 (3), 479-491  
*Contopus caribaeus caribaeus* (nasal cavity): Santo Tomas, Cienaga de Zapata, Prov. of Las Villas, Cuba
- Tyrophagus* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr. Illinois State Acad. Sc., v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*  
*Cryptotis parva parva*  
all from Coles County, Illinois
- Tyrophagus castellanii* Hirst  
Sandhu, P. S.; and Kapoor, V. C., 1976, *Entom. News*, v. 87 (9-10), 292-294  
*Funambulus pennanti*: Village Barewal (Ludhiana District), India
- Tyrophagus lintneri* (Osborne)  
Sandhu, P. S.; and Kapoor, V. C., 1976, *Entom. News*, v. 87 (9-10), 292-294  
*Funambulus pennanti*: Ludhiana, India



- Uchida* Ewing, 1930  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H.  
W., 1974, *Parasitol. Schriftenr.*, v. 22, 1-160  
lice of domestic animals, keys to species  
and subspecies, descriptions, illustrations,  
hosts, economic and epidemiological impor-  
tance, extensive compilation: Central Europe  
includes: *U. numidae* (Giebel, 1874); *U.*  
*pallidulus* (Neumann, 1912)
- Uchida numidae* Gb., 1874  
Gan, E. I.; and Shousmanov, Sh., 1976, *Uzbek.*  
*Biol. Zhurnal* (5), 54-56  
[*Gallus gallus*]: Kashka-Darya oblast
- Uchida numidae* Ewing, 1930  
Martin, M. P., 1973, *Rev. Iber. Parasitol.*,  
v. 33 (2-3), 281-294  
as syn. of *Menacanthus numidae* (Giebel 1874)
- Ugandobia* (*Ugandobia*) *balionycteris* sp. n.  
Fain, A., 1973, *Rev. Zool. et Botan. Afri-*  
*caines*, v. 87 (3), 614-621  
*Balionycteris maculata*: Selangor
- Ugandobia balionycteris salomonensis* subsp.  
nov.  
Fain, A., 1976, *Acta Zool. et Path. Antverpi-*  
*ensia* (64), 3-32  
*Emballonura diana* (ventre): Riba Caves,  
Auki, Malaita, Solomon Islands
- Unionicola intermedia* Koenike  
Baker, R. A., 1976, *Parasitology*, v. 73 (2),  
xxxiii [Abstract]  
*Unionicola intermedia* on gills of *Anodonta*  
*anatina*, host response
- Unionicola intermedia*  
Baker, R. A., 1976, *J. Invert. Path.*, v. 27  
(3), 371-376  
*Unionicola intermedia*, structure of pedipalps  
and attachment to *Anodonta anatina*, damage to  
host gill tissue, cellular response of host
- Unionicola intermedia*, illus.  
Baker, R. A., 1977, *Parasitology*, v. 75 (3),  
301-308  
*Unionicola intermedia*, midgut caeca, con-  
tents, structure, function, relation to  
feeding activities of mite and tissue re-  
sponses of its host (*Anodonta anatina*),  
parasite feeds on mucus and blood cells  
which are products of inflammatory response,  
parasite digestive enzymes are confined to  
intracellular vacuoles  
*Anodonta anatina* (gills): Yorkshire
- Upupicola upupae*  
Rak, H.; Anwar, M.; and Niak, A., 1975, *Bull.*  
*Soc. Path. Exot.*, v. 68 (6), 588-591  
*Upupa epops*: Iran
- Uroboophilus fallax* Minning, 1934  
Jones, E. K.; et al., 1972, Brigham Young  
*Univ. Sc. Bull.*, Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Boophilus microplus* (Canestrini,  
1887)
- Uroboophilus kriegsmanni* Minning, 1934  
Jones, E. K.; et al., 1972, Brigham Young  
*Univ. Sc. Bull.*, Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Boophilus microplus* (Canestrini,  
1887)
- Uroboophilus rotundiscutatus* Minning, 1934  
Jones, E. K.; et al., 1972, Brigham Young  
*Univ. Sc. Bull.*, Biol. ser., v. 17 (4), 40 pp.  
as syn. of *Boophilus microplus* (Canestrini,  
1887)
- Uropoda* sp.  
Diusembaev, E. B.; and Chelebiev, K. A., 1975,  
*Zool. Zhurnal*, v. 54 (1), 124-127  
+*Lagurus lagurus* (nest): Karagandinsk oblast
- Uropodella* Camin  
Athias-Henriot, C., 1977, *J. Austral. Entom.*  
*Soc.*, v. 16 (3), 225-235  
*Liroaspidae*
- Uropodellidae* Camin  
Athias-Henriot, C., 1977, *J. Austral. Entom.*  
*Soc.*, v. 16 (3), 225-235  
as syn. of *Liroaspidae* Traegardh
- Uropodina* sp. Kramer  
Amanniazova, R. D., 1975, *Izvest. Akad. Nauk*  
*Turkmensk. SSR*, s. Biol. Nauk (6), 48-54  
seasonal distribution in different land-  
scapes  
*Rhombomys opimus*: Turkmenistan
- Uropsylla* Rothschild, 1905  
Dunnet, G. M.; and Mardon, D. K., 1974,  
*Austral. J. Zool.*, Suppl. s. (30), 1-273  
key, diagnosis
- Uropsylla tasmanica* Rothschild, 1905, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974,  
*Austral. J. Zool.*, Suppl. s. (30), 1-273  
diagnosis  
*Perameles nasuta*: New South Wales  
*Dasyurops maculatus*: Victoria  
*Dasyurus maculatus*: Tasmania  
*D. viverrinus*: Tasmania  
*D. quoll*: "  
*D. geoffroyi*: Western Australia  
*Sarcophilus harrisii*: Tasmania  
*Thylacinus*: Tasmania  
*Felis* sp.: Victoria

- Vanidicus* Brennan and Jones 1961  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Vanidicus chalepus* n. sp., illus.  
Brennan, J. M., 1973, J. Med. Entom., v. 10 (1), 107-109  
Oryzomys albigularis: NW of Merida (Santa Rosa), Merida, Venezuela  
Heteromys anomalus: NE of Mirimire (near La Pastora), Falcon, Venezuela  
Monodelphis brevicaudata: NW of San Felipe (Miras de Aroa), Yaracuy, Venezuela  
unidentified host: NW of Merida (Santa Rosa), Merida, Venezuela
- Vanidicus joosti* n. sp., illus.  
Brennan, J. M., 1973, J. Med. Entom., v. 10 (1), 107-109  
Proechimys guyannensis: NW of Caripe, La Laguna, Monagas, Venezuela; S of Rio Chico (near Puerto Tuy), Miranda, Venezuela; SE of Ciudad Bolivar (Hato San Jose), Bolivar, Venezuela  
Heteromys anomalus: N of Caracas Country Club (Quebrada Chacaito), Miranda, Venezuela  
Oryzomys albigularis: N of Caracas Country Club (Quebrada Chacaito), Miranda, Venezuela; NW of Merida (Santa Rosa), Merida, Venezuela  
unidentified host: NW of Merida (Santa Rosa), Merida, Venezuela
- Vanidicus tricosus* Brennan & Jones, 1961, illus.  
Brennan, J. M., 1973, J. Med. Entom., v. 10 (1), 107-109  
redescription  
Syn.: Pseudoschoengastia tricola, Geest & Loomis, 1968 [et auct]
- Vargatula* Brennan and Yunker 1966  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Vatacarus* sp., illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
- Vatacarus ipoides* Southcott, illus.  
Audy, J. R.; Radovsky, F. J.; and Vercammen-Grandjean, P. H., 1972, J. Med. Entom., v. 9 (6), 487-494
- Vatacarus ipoides* Southcott  
Nadchatram, M.; and Audy, J. R., 1965, Med. J. Malaya, v. 20 (1), 80-81  
life cycle adaptations of *Vatacarus ipoides* recovered from air-sacs of tidal reef snakes (*Laticauda colubrina*): Singapore
- Vatacarus kuntzi*, n. sp., illus.  
Nadchatram, M.; and Radovsky, F. J., 1971, J. Med. Entom., v. 8 (1), 37-40  
*Laticauda colubrina* (trachea): Botel Tobago (Lan Yu or Orchid Island), SE of Formosa
- Vergrandia* Yunker and Jones 1961  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Vermipsylla ioffi*, illus.  
Kunitskaia, N. T.; and Prokop'ev, V. N., 1976, Entom. Obozr., v. 55 (4), 800-807  
fleas, number of egg tubes
- Vermipsylla perplexa* n. sp., illus.  
Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
[no host]: lake Titi, Nepal
- Vermipsyllidae* Wagner, 1889  
Lewis, R. E., 1973, J. Med. Entom., v. 10 (3), 255-260  
Rhopalopsyllidae, Malacopsyllidae, Vermipsyllidae, world-wide distribution by zoogeographical regions, host preferences; list of genera and species

- Wagenaaria Brennan 1967  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Wagenaaria similis  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
Mormoops megalophylla: Big Bend National Park, Texas
- Wagnerina schelkovnikovi  
Avetisyan, G. A.; and Ezekel'yan, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
Microtus nivalis: Armenia
- Walchia Ewing 1931  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Walchia  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
key to species
- Walchia americana Ewing  
Dohany, A. L.; and Cromroy, H. L., 1976, Florida Entom., v. 59 (2), 183-190  
chiggers, scutal measurements: Gainesville, Florida
- Walchia americana  
Whitaker, J. O., jr.; Spicka, E. J.; and Schmeltz, L. L., 1976, Proc. Indiana Acad. Sc., v. 85, 1975, 431-436  
Sciurus niger  
S. carolinensis  
all from Indiana
- Walchia cognata sp. n., illus.  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
key  
Cricetulus migratorius  
Meriones persicus  
Microtus socialis  
Apodemus sylvaticus  
Crocidura sp.  
all from Western Kopetdagh, Karakalinskii region (Iol-Dere and Ai-Dere ravines), Turkmenia
- Walchia montana sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55 (7), 1100-1102  
Meriones persicus: east of Maku and south of Rezaie, Iran
- Walchia parvula Schluger, 1955  
Shluger, E. G.; and Amanguliev, A., 1975, Entom. Obozr., v. 54 (2), 463-470  
key  
Calomyscus bailwardi: Firiuza ravine, Turkmenia
- Walchia schelkovnikovi sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55 (7), 1100-1102  
Meriones persicus: west of Ebkhara, Iran
- Walchia valskeyae sp. n., illus.  
Kudriashova, N. I., 1976, Zool. Zhurnal, v. 55 (7), 1100-1102  
Meriones persicus: vicinity of der. Adzhami, Iran; east of Maku, south of Rezaie and south of Shamirzada, Iran
- Walchia (Fainiella) womersleyi n. comb.  
Vercammen-Grandjean, P. H., 1975, Rev. Zool. Africaine, v. 89 (2), 397-439  
Syns.: Fainiella womersleyi Vercammen-Grandjean, 1953; Gahrlepieia (Fainiella) womersleyi, Vercammen-Grandjean and Fain, 1957; Schoengastieia (Fainiella) womersleyi, Vercammen-Grandjean, Langston and Audy, 1973 (due to a clerical error)
- Walchia (Fainiella) womersleyi katangaensis n. ssp., illus.  
Vercammen-Grandjean, P. H., 1975, Rev. Zool. Africaine, v. 89 (2), 397-439  
Cricetomys gambianus viator (nasal fossae): Baya, near Elisabethville (Katanga Prov., Zaire)
- Walchiella oudemansi (Walch)  
Dohany, A. L.; Phang, O. W.; and Rapmund, G., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (2), 200-206  
Rattus cremoriventer  
R. muelleri  
R. tiomanicus  
all from North Borneo
- Walchiella oudemansi  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
Ancol, Jakarta, Indonesia
- Walchioides Vercammen-Grandjean 1960  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Warble fly  
Andrews, A. H.; Melrose, D. R.; and Lewis, W. H. E., 1976, Vet. Rec., v. 99 (10), 187  
warble fly, bulls, "pour-on" fenthion, good results
- Warble fly  
Dear, J. P., 1977, Vet. Rec., v. 100 (12), 252  
[Letter]  
warble fly infestation of red deer may present obstacle to warble fly eradication in cattle: north and west Scotland
- Warble fly  
Minar, J.; et al., 1974, Veterinarstvi, v. 24 (3), 119-120  
warble fly, treatment with hypocid, cattle: central Slovakia



- Warble fly  
Oormazdi, H.; and Baker, K.P., 1977, Vet. Parasitol., v. 3 (1), 85-88  
cattle, added benefit of national warble fly eradication scheme (annual dressing with pour-on organophosphorus compounds) is considerable reduction in pediculosis: Northern Ireland compared with Republic of Ireland
- Werneckiella Eichler, 1940  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Bovicola* Ewing, 1929
- Werneckiella Eichler, 1940  
Zlotorzyska, J.; Eichler, W.; and Ludwig, H. W., 1974, Parasitol. Schriftenr., v. 22, 1-160  
lice of domestic animals, keys to species and subspecies, descriptions, illustrations, hosts, economic and epidemiological importance, extensive compilation: Central Europe includes: *W. equi equi* (Denny, 1842); *W. equi asini* Eichler, 1953
- Werneckodectes Conci, 1946  
Emerson, K. C.; and Price, R. D., 1975, Brigham Young Univ. Sc. Bull., Biol. ser., v. 20 (3), 1-77  
as syn. of *Trichodectes* Nitzsch, 1818
- Whartonacarus Vercammen-Grandjean 1960  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Whartonia Ewing 1944  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Whartonia carpenteri Brennan  
Dooley, T. J.; Bristol, J. R.; and Canaris, A. G., 1976, J. Mamm., v. 57 (1), 189-191  
*Pipistrellus hesperus maximus*  
*Antrozous pallidus pallidus*  
all from southwestern United States
- Whartonia perplexa  
Whitaker, J. O., jr.; and Easterla, D. A., 1975, Southwest. Nat., v. 20 (2), 241-254  
*Eptesicus fuscus*  
*Antrozous pallidus*  
all from Big Bend National Park, Texas
- Wohlfahrtia atra new species  
Aldrich, J. M., 1927, Proc. U. S. Nat. Mus. (2648), v. 69, 1926, 1-26  
Yellow Dragon Gorge, near Songpan, Szechuen Province, China
- Wohlfartia bella (Macq.), illus.  
Gil Collado, J.; Zapatero, L. M.; and Guillen, J. L., 1974, Rev. Iber. Parasitol., v. 34 (1-2), 9-27  
Wohlfartia bella, description of larval stages and adults
- Wohlfahrtia magnifica (Schiner, 1862), illus.  
Schumann, H.; Ribbeck, R.; and Beulig, W., 1976, Arch. Exper. Vet.-Med., v. 30 (6), 799-806  
morphology  
two-humped camel (vagina): Somonen Bajan-Undur and Sant Sant (Uwurchangai-Aimak), Mongolian Democratic Republic
- Wohlfahrtia vigil  
Boonstra, R., 1977, Canad. J. Zool., v. 55 (6), 1057-1060  
Wohlfahrtia vigil, seasonal incidence and effect on *Microtus townsendii* populations, parasitism seemed to be facilitated by presence of *Cuterebra* spp.: Westham Island, British Columbia
- Womersia Wharton 1947  
Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
synoptic key to 87 genera of chiggers in the Western Hemisphere
- Wurunjerria Mardon and Dunnet, 1972  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis
- Wurunjerria warnekei Mardon and Dunnet, 1972, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
diagnosis  
*Gymnobelideus leadbeateri*: Victoria

- Xenacarus* Greenberg, 1951 (non Kishada, 1925) preoccupied  
 Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
 as syn. of *Xenodontacarus* nomen novum
- Xenodaeria telios* Jordan, 1932  
 Smit, F. G. A. M., 1974, Senckenbergiana Biol., v. 55 (4-6), 357-398  
*Soriculus nigrescens*  
*S. baileyi*  
*S. caudatus*  
*Pitymys sikimensis*  
 all from Nepal
- Xenodontacarus* nomen novum  
 Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
*Trombiculidae*, *Leeuwenhoeikiinae*  
 key to species, tod: *Xenodontacarus plumosus* (Greenberg, 1951) n. comb.  
 Syn.: *Xenacarus* Greenberg, 1951 (non Kishada, 1925) preoccupied
- Xenodontacarus* Loomis and Goff 1973  
 Brennan, J. M.; and Goff, M. L., 1977, J. Parasitol., v. 63 (3), 554-566  
 synoptic key to 87 genera of chiggers in the Western Hemisphere
- Xenodontacarus brevicar* (Brennan & Jones, 1954) n. comb.  
 Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
 key  
 Syn.: *Acomatacarus brevicar* Brennan & Jones, 1954; *Acomatacarus* (*Xenacarus*) *breviclar* (sic): Crossley, 1960; *Odontacarus breviclar*: Brennan & Jones, 1959  
*Perognathus californicus*: Hastings Natural History Reservation, Monterey Co., California  
*Peromyscus crinitus*: Joshua Tree National Monument, Riverside Co., California
- Xenodontacarus folius* n. sp., illus.  
 Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
 key  
*Peromyscus boylii*: NE of Santa Lucia, Sinaloa, Mexico
- Xenodontacarus plumosus* (Greenberg, 1951) n. comb. (tod)  
 Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
 key  
 Syn.: *Acomatacarus* (*Xenacarus*) *plumosus* Greenberg, 1951; *Odontacarus plumosus*: Brennan & Jones, 1959  
*Neotoma micropus*: S of Aetna, Barber Co., Kansas  
*Peromyscus leucopus*: S of Aetna, Barber Co., Kansas  
*P. maniculatus*: E of Gorham, Russell Co., Kansas; Wind Cave Natl. Park, Custer Co., South Dakota
- Xenodontacarus serratus* n. sp., illus.  
 Loomis, R. B.; and Goff, M. L., 1973, J. Med. Entom., v. 10 (2), 113-117  
 key  
*Artibeus lituratus* (chin): E of Panuco, Sinaloa, Mexico
- Xenopsylla* Glinkiewicz, 1907  
 Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
 key, key to Australian species, diagnosis
- Xenopsylla* Glinkiewicz  
 Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
 brief description, key
- Xenopsylla* spp.  
 Thaug, U.; Khai Ming, C.; and Myint Thein, 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 555-561  
*Bandicota bengalensis*  
*Rattus rattus*  
*R. exulans*  
*R. norvegicus*  
*Mus musculus*  
*Crocidura caeruleus*  
 all from Burma
- Xenopsylla astia* (Rothschild), illus.  
 Kamala Bai, M.; and Prasad, R. S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 467-472  
*Xenopsylla cheopis*, *X. astia*, nutritional efficacy of blood meal, nature of blood factors of host which stimulate ovarian maturation
- Xenopsylla astia* Roths.  
 Mitchell, C. J., 1971, J. Med. Entom., v. 8 (1), 56-61  
*Laelaps nuttalli*, *Polyplax spinulosa*, *Xenopsylla astia*, *X. cheopis* on *Bandicota bengalensis*, seasonal fluctuations; prevalence of *B. bengalensis* and accompanying decrease in *Rattus rattus* and *X. cheopis* has diminished the threat of plague: Calcutta, India
- Xenopsylla astia*  
 Ozsan, K.; et al., 1974, Mikrobiyol. Bul., v. 8 (3), 267-269  
 Meriones: Turkey
- Xenopsylla astia* (Rothschild)  
 Prasad, R. S., 1976, Ztschr. Parasitenk., v. 50 (1), 81-86  
*Xenopsylla cheopis* and *X. astia* fed on sterile male rats treated with cortisone and progesterone, no influence on reproductive potential
- Xenopsylla astia*  
 Thaug, U.; Khai Ming, C.; and Myint Thein, 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 555-561  
*Xenopsylla cheopis*, *X. astia*, flea vectors of human plague, rodent-vector survey, seasonal distribution, DDT susceptibility tests show fleas to be persistently resistant: Burma
- Xenopsylla astia*  
 Velimirovic, B., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 539-548  
 program for regular plague-oriented surveillance of small mammals and flea vectors: port of Saigon, Viet-Nam

- Xenopsylla australiaca* Mardon and Dunnet, 1971, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis  
*Notomys mitchelli*: Victoria  
*Pseudomys albocinereus*: Western Australia  
*Rattus rattus*: Western Australia  
*R. norvegicus*: " "  
*Mus musculus*: " "
- Xenopsylla cheopis* (Rothschild)  
Bowman, M. C.; et al., 1973, J. Med. Entom., v. 10 (4), 405-410  
*Xenopsylla cheopis*, control, trichlorfon and dichlorvos in rodent bait, feces from rodents fed treated baits, and vapors from both
- Xenopsylla cheopis* (Rothschild)  
Chamberlain, W. F.; and Becker, J. D., 1977, Southwest. Entom., v. 2 (4), 179-182  
*Xenopsylla cheopis*, inhibition of cocoon formation and adult emergence by insect growth regulators, possible means of control
- Xenopsylla cheopis* (Rothschild, 1903), illus.  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
key, diagnosis, syn.: *Xenopsylla pachyuro-myidis* Glinkiewicz, 1907  
*Rattus rattus*: Queensland  
*R. norvegicus*: New South Wales; Queensland  
*Epimys decumanus*: New South Wales  
rat: New South Wales; Queensland; Victoria; Western Australia  
rat, white: Queensland  
mice: New South Wales  
*Melomys littoralis*: Queensland
- Xenopsylla cheopis*  
Hadi, T. R.; et al., 1976, Southeast Asian J. Trop. Med. and Pub. Health, v. 7 (3), 487-489  
*Bandicota indica setifera*  
*Rattus exulans*  
*R. norvegicus*  
*R. r. diardii*  
*Suncus murinus*  
all from Ancol, Jakarta, Indonesia
- Xenopsylla cheopis*  
Ising, E., 1975, Ztschr. Ang. Zool., v. 62 (4), 435-445  
*Xenopsylla cheopis*, Bromophos as systemic insecticide in guinea pig blood, given in feed; low toxicity to mammals
- Xenopsylla cheopis* (Rothschild), illus.  
Kamala Bai, M.; and Prasad, R. S., 1976, Ann. Trop. Med. and Parasitol., v. 70 (4), 467-472  
*Xenopsylla cheopis*, X. astia, nutritional efficacy of blood meal, nature of blood factors of host which stimulate ovarian maturation
- Xenopsylla cheopis* (Roths.)  
Mitchell, C. J., 1971, J. Med. Entom., v. 8 (1), 56-61  
*Laelaps nuttalli*, *Polyplax spinulosa*, *Xenopsylla astia*, *X. cheopis* on *Bandicota bengalensis*, seasonal fluctuations; prevalence of *B. bengalensis* and accompanying decrease in *Rattus rattus* and *X. cheopis* has diminished the threat of plague: Calcutta, India
- Xenopsylla cheopis*  
Neville, A. C.; Parry, D. A. D.; and Woodhead-Galloway, J., 1976, J. Cell Sc., v. 21 (1), 73-82  
*Xenopsylla cheopis*, chitin crystallites in cuticle
- Xenopsylla cheopis* (Rothschild)  
Prasad, R. S., 1976, Ztschr. Parasitenk., v. 50 (1), 81-86  
*Xenopsylla cheopis* and *X. astia* fed on sterile male rats treated with cortisone and progesterone, no influence on reproductive potential
- Xenopsylla cheopis*  
Reed, W. P.; et al., 1970, Medicine, Baltimore, v. 49 (6), 465-486  
role of fleas as vectors of human bubonic plague in southwestern United States
- Xenopsylla cheopis*  
Reinhardt, C. A., 1976, Acta Trop., v. 33 (2), 105-132  
*Xenopsylla cheopis*, *Echidnophaga gallinacea*, *Tunga penetrans*, ultrastructure of midgut epithelium in relation to feeding behavior patterns (temporary vs. stationary parasites)
- Xenopsylla cheopis* (Rothschild)  
Reisen, W. K.; et al., 1975, Kalikasan, v. 4 (2), 145-154  
*Rattus exulans*: Thailand  
*Rattus rattus thai*: Thailand  
*Rattus norvegicus*: Taiwan; Luzon, Philippines  
*Rattus norvegicus caraco*: Korea  
*Rattus rattus rattus*: Taiwan  
*Rattus rattus mindanensis*: Luzon, Philippines  
*Rattus luzonicus*: Luzon, Philippines  
*Bandicota indica nemorivaga*: Taiwan  
*Suncus murinus*: Taiwan  
*Chrotomys whiteheadi*: Luzon, Philippines  
*Rattus* spp.: Luzon, Philippines
- Xenopsylla cheopis* (Rothschild), illus.  
Sanford, L. G.; and Hays, K. L., 1974, Bull. (458) Alabama Agric. Exper. Station, 3-42  
description  
*Rattus norvegicus*: Dale, Houston, and Pike counties, Alabama
- Xenopsylla cheopis*  
Thaung, U.; Khai Ming, C.; and Myint Thein, 1975, Southeast Asian J. Trop. Med. and Pub. Health, v. 6 (4), 555-561  
*Xenopsylla cheopis*, *X. astia*, flea vectors of human plague, rodent-vector survey, seasonal distribution, DDT susceptibility tests show fleas to be persistently resistant: Burma
- Xenopsylla cheopis* Roths., illus.  
Vashchenok, V. S., 1975, Entom. Obozr., v. 54 (2), 352-354  
*Xenopsylla cheopis*, formation, structure, and pigmentation of corpora lutea, suggested that these cells fulfill a secretory function



- Xenopsylla cheopis*  
Velimirovic, B., 1973, Ztschr. Tropenmed. u. Parasitol., v. 24 (4), 539-548  
program for regular plague-oriented surveillance of small mammals and flea vectors  
*Bandicota indica*  
*Rattus norvegicus*  
*R. rattus*  
*R. exulans*  
*Suncus murinus*  
all from port of Saigon, Viet-Nam
- Xenopsylla conformis*  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Xenopsylla conformis*  
Avetisyan, G. A.; and Ezekelian, V. Kh., 1975, Biol. Zhurnal Armenii, v. 28 (8), 56-63  
fleas, seasonal and geographic distribution  
*Microtus socialis*: Armenia
- Xenopsylla conformis* Wagn.  
Poljakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transural plague focus  
*Rhombomys opimus*  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian lowland
- Xenopsylla conformis*  
Shiranovich, P. I.; et al., 1977, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk (2), 89-95  
Siphonaptera of *Meriones erythrorus*, seasonal distribution, temperature and precipitation in relation to population dynamics of host, incidence of plague and its epizootiology: Transcaucasus
- Xenopsylla gerbilli*, illus.  
Kunitskaia, N. T.; and Prokop'ev, V. N., 1976, Entom. Obozr., v. 55 (4), 800-807  
fleas, number of egg tubes
- Xenopsylla gerbilli gerbilli* Wagn.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Xenopsylla hirtipes* Roths.  
Amanniazova, R. D., 1975, Izvest. Akad. Nauk Turkmensk. SSR, s. Biol. Nauk (6), 48-54  
seasonal distribution in different landscapes  
*Rhombomys opimus*: Turkmenistan
- Xenopsylla nubica*  
Klein, J. M.; et al., 1975, Medecine et Malad. Infect., v. 5 (4), 198-207  
*Synosternus cleopatrae*, *Xenopsylla ramesis*, *X. nubica*, vectors of human plague in Mauritania
- Xenopsylla pachyruromyidis* Glinkiewicz, 1907  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Xenopsylla cheopis* (Rothschild, 1903)
- Xenopsylla ramesis*  
Klein, J. M.; et al., 1975, Medecine et Malad. Infect., v. 5 (4), 198-207  
*Synosternus cleopatrae*, *Xenopsylla ramesis*, *X. nubica*, vectors of human plague in Mauritania
- Xenopsylla ramesis*  
Ozsan, K.; et al., 1974, Mikrobiyol. Bul., v. 8 (3), 267-269  
+wild rodents (burrow)  
Meriones: Turkey
- Xenopsylla skrjabini* Ioff, 1938  
Kir'iakova, A. N., 1970, Parazitologiya, Leningrad, v. 4 (3), 267-270  
*Xenopsylla skrjabini*, adults receiving radioactive methionine through feeding on *Rhombomys opimus* and white mice, transmission of isotope to eggs, larvae, and pupae for two generations
- Xenopsylla skrjabini* Joff  
Poljakov, V. K.; et al., 1976, Zool. Zhurnal, v. 55 (10), 1538-1551  
rodent fleas, zoological, parasitological, epidemiological and ecological characteristics of steppe, desert-steppe and desert regions of Transural plague focus  
*Rhombomys opimus*  
*Meriones tamariscinus*  
*M. meridianus*  
all from northeastern part of Caspian lowland
- Xenopsylla vexabilis* Jordan, 1925, illus.  
Dunnet, G. M.; and Mardon, D. K., 1974; Austral. J. Zool., Suppl. s. (30), 1-273  
synonymy, key, diagnosis  
*Isodon macrourus*: Northern Territory, Australia  
*Dasyurus hallucatus*: Northern Territory, Australia  
*Antechinus* sp.: Northern Territory, Australia  
*Rattus villosissimus*: Northern Territory, Australia; Queensland  
*R. leucopus*: "  
*Conilurus penicillatus*: Northern Territory, Australia  
*Leporillus jonesi*: South Australia  
*Zyzomys argurus*: Northern Territory, Australia  
*Pseudomys minnie*: South Australia  
*Melomys* sp.: Queensland
- Xenopsylla vexabilis hawaiiensis*. Jordan, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974, Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Xenopsylla vexabilis* Jordan, 1925

- Xenopsylla vexabilis meseris*. Jordan, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Xenopsylla vexabilis* Jordan, 1925
- Xenopsylla vexabilis vexabilis*. Jordan, 1936  
Dunnet, G. M.; and Mardon, D. K., 1974,  
Austral. J. Zool., Suppl. s. (30), 1-273  
as syn. of *Xenopsylla vexabilis* Jordan, 1925
- Xenoryctes* Zachvatkin, 1941  
Fain, A.; and Whitaker, J. O., jr., 1975, J.  
Med. Entom., v. 12 (3), 369-370  
key to hypopi of species, includes: *X.*  
*krameri krameri* (Michael, 1886); *X. k. japo-*  
*nensis* Fain, Lukoschus & Uchikawa, 1974;  
*X. nudus* n. sp.; *X. punctatus* Fain, 1968;  
and *X. latiporus* Fain & Whitaker, 1973
- Xenoryctes krameri japonensis* Fain, Lukoschus &  
Uchikawa, 1974  
Fain, A.; and Whitaker, J. O., jr., 1975, J.  
Med. Entom., v. 12 (3), 369-370  
key
- Xenoryctes krameri krameri* (Michael, 1886)  
Fain, A.; and Whitaker, J. O., jr., 1975, J.  
Med. Entom., v. 12 (3), 369-370  
key
- Xenoryctes latiporus* Fain & Whitaker, 1973  
Fain, A.; and Whitaker, J. O., jr., 1975, J.  
Med. Entom., v. 12 (3), 369-370  
key
- Xenoryctes latiporus*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
*Blarina brevicauda*  
*Peromyscus leucopus*  
all from Fires Creek area, Nantahala Moun-  
tains, North Carolina
- Xenoryctes latiporus* Fain & Whitaker, 1973  
Whitaker, J. O., jr.; and Wilson, N., 1974,  
Am. Midland Naturalist, v. 91 (1), 1-67  
Syn.: *Dermacarus heptneri* Rupes & Whitaker  
(not Zachvatkin, 1941), 1968
- Xenoryctes nudus* n. sp., illus.  
Fain, A.; and Whitaker, J. O., jr., 1975, J.  
Med. Entom., v. 12 (3), 369-370  
key, description of hypopus only  
*Sorex fumeus* (hair): Navel Branch, Fires  
Creek, Clay Co., North Carolina
- Xenoryctes nudus*  
Whitaker, J. O., jr.; Jones, G. S.; and  
Pascal, D. D., jr., 1975, J. Elisha Mitchell  
Scient. Soc., v. 91 (1), 13-17  
*Sorex fumeus*  
*S. palustris*  
*Blarina brevicauda*  
all from Fires Creek area, Nantahala Moun-  
tains, North Carolina
- Xenoryctes punctatus* Fain, 1968  
Fain, A.; and Whitaker, J. O., jr., 1975, J.  
Med. Entom., v. 12 (3), 369-370  
key
- Xiphiopsylla ?apriana* Jordan & Rothschild, 1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine,  
v. 89 (1), 191-210  
*Tachyoryctes splendens*: Cherangani Hills,  
Kenya
- Xiphiopsylla hippia* Jordan & Rothschild, 1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine,  
v. 89 (1), 191-210  
*Crocidura* sp.: Cherangani Hills, Kenya
- Xiphiopsylla hyparetes* J. & R. 1913  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine,  
v. 89 (1), 191-210  
*Lophuromys flavopunctatus*: Naro Moru track,  
Ht. Kenya
- Xiphiopsylla levis* Smith, 1960  
Smit, F. G. A. M., 1975, Rev. Zool. Africaine,  
v. 89 (1), 191-210  
*Chrysochloris stuhlmanni fosteri*: Cherangani  
Hills, Kenya

- Zibethacarus*, n. gen.  
Rupes, V.; Yunker, C. E.; and Wilson, N.,  
1971, J. Med. Entom., v. 8 (1), 17-22  
Labidophoridae; tod: *Z. ondatrae* (Rupes &  
Whitaker, 1968) [n. comb.]
- Zibethacarus ondatrae* (Rupes & Whitaker, 1968)  
[n. comb.] (tod), illus.  
Rupes, V.; Yunker, C. E.; and Wilson, N.,  
1971, J. Med. Entom., v. 8 (1), 17-22  
description  
*Ondatra zibethica*: U.S.A., Montana, Hamilton  
(Ravalli Co.) and Dillon (Beaverhead  
Co.)
- Zonurobia* Lawrence, 1935  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key to species, diagnosis
- Zonurobia circularis* Lawrence, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia circularis capensis* Lawrence 1935  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description  
*Platysaurus torquatus*: Mtoko District,  
Southern Rhodesia  
*P. intermedius purgivensis*: Purgive River,  
Ngango, Southern Rhodesia
- Zonurobia circularis circularis* Lawrence, 1935,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description  
*Platysaurus guttatus rhodesianus*: Southern  
Rhodesia (Natoppas; Kondo-umtali; White  
Water, Umtali)  
*P. intermedius rubriger*: Lake McIlwaine,  
Macheke, Southern Rhodesia  
*P. intermedius rhodesianus*: Bembesi, Um-  
singwane, Southern Rhodesia  
*P. intermedius purgivensis*: Purgive River,  
Ngungo, Southern Rhodesia  
*P. ocellatus winerii*: Chilanimani Mts.,  
Southern Rhodesia
- a
- Zonurobia circularis latior* Lawrence 1935,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia circularis longipilis* Lawrence 1935,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia circularis rhodesiensis* n. ssp.,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
*Platysaurus imperator*  
*P. torquatus*  
all from Mtoko District, Southern Rhodesia
- Zonurobia circularis spiniventer* Lawrence 1935,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia circularis transvaalense* Lawrence 1935,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia cordylensis* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia debilipes debilipes* Lawrence 1935,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia debilipes mossambica* Lawrence 1958,  
illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia montana* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia polyzonensis* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia sanguinea* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia semilunaris* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia subquadrata* Lawrence 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zonurobia transvaalica* (Lawrence) 1935, illus.  
Jack, K. M., 1971, Acarologia, v. 12 (4), 684-  
713  
key, description
- Zygoribatula* sp.  
Basolo, F., jr.; and Funk, R. C., 1974, Tr.  
Illinois State Acad. Sc., v. 67 (2), 211-221  
*Peromyscus leucopus noveboracensis*: Coles  
County, Illinois





## MESOZOA

## Dicyemid Mesozoa

- Lapan, E. A., 1975, Comp. Biochem. and Physiol., v. 52 (4A), 651-657  
 dicyemid Mesozoa, contribution to acidification of *Octopus vulgaris* urine, symbiotic rather than parasitic relationship

## Dicyemennaea californica McConnaughey, illus.

- Matsubara, J. A.; and Dudley, P. L., 1976, J. Parasitol., v. 62 (3), 377-389  
*Dicyemennaea californica*, adult nematogens and rhombogens, fine structure  
*Octopus bimaculoides* (kidneys): Pacific Bio-Marine Laboratories, Venice, California

## Dicyemennaea californica McConnaughey, illus.

- Matsubara, J. A.; and Dudley, P. L., 1976, J. Parasitol., v. 62 (3), 390-409  
*Dicyemennaea californica*, preclosional vermiform stages and infusoriform larvae, fine structure, *Octopus bimaculoides*

## COELENTERATA

## Polypodium sp., illus.

- Suppes, V. C.; and Meyer, F. P., 1975, J. Parasitol., v. 61 (4), 772-774  
*Polyodon spathula* (eggs): Osage River

## PLATYHELMINTHES

## Bipalium kewense

- Daly, J. J.; Farris, H. E.; and Matthews, H. M., 1976, Vet. Med. and Small Animal Clin., v. 71 (11), 1540-1542  
 accidental parasitism of dogs and cats

## Bipalium kewense Moseley 1878, illus.

- Daly, J. J.; Matthews, H. M.; and Farris, H. E., jr., 1977, Health Lab. Sc., v. 14 (1), 39-43  
*Bipalium kewense*, experimental evidence in dogs shows that gastrointestinal pseudoparasitism unlikely

## Didymorchis Haswell 1900

- Mane-Garzon, F., 1960, An. Mus. Hist. Nat., Montevideo, 2. s., v. 7 (1), 1-8  
 key to species, includes: *Didymorchis cherapsis* Hasw.; *D. paranephropis* Hasw.; *D. astacosisidis* Hasw.; *D. haswelli* n. sp.

## Didymorchis haswelli n. sp., illus.

- Mane-Garzon, F., 1960, An. Mus. Hist. Nat., Montevideo, 2. s., v. 7 (1), 1-8  
 key  
*Parastacus saffordi* (cavidad branquial): Aigua, Departamento de Lavalleja, Uruguay

## Fecampia spiralis Baylis, 1949

- Christensen, A. M., 1976, Ophelia, v. 15 (1), 77-97  
 as syn. of *Kronborgia spiralis* (Baylis, 1949) [n. comb.]

## Kronborgia spiralis (Baylis, 1949) [n. comb.], illus.

- Christensen, A. M., 1976, Ophelia, v. 15 (1), 77-97  
*Kronborgia spiralis* [n. comb.], redescription, morphological features, life history, host-parasite relationships  
 Syn.: *Fecampia spiralis* Baylis, 1949  
*Serolis schythei*: off Argentine coast

## Temnocephala novae-zealandiae, illus.

- Williams, J. B., 1977, Austral. J. Zool., v. 25 (2), 187-191  
*Temnocephala novae-zealandiae*, epidermal sensory receptors

## Temnocephala semperi Weber

- Rohde, K., 1966, Med. J. Malaya, v. 20 (4), 356  
*Potamon rafflesii* (carapace and gill chambers): Genting Simpah, Malaya

## MOLLUSCA

## Anodonta anatina, glochidia larvae

- Campbell, A. D., 1974, Proc. Roy. Soc. Edinb., sect. B, Biol., v. 74, 347-364  
*Salmo trutta* (gills, fins, maxillary fold)  
*Perca fluviatilis*  
*Esox lucius*  
*Gasterosteus aculeatus*  
 all from Loch Leven, Scotland

## Anodonta cygnaea

- Lee, R. L. G., 1977, Lond. Naturalist (1976) (56), 57-70  
*Carassius carassius* (gills)  
*Cyprinus carpio* (gills)  
*Rutilus rutilus*  
*Gobio gobio* (gills)  
*Perca fluviatilis*  
*Gymnocephalus cernua*  
*Anguilla anguilla*  
 all from Serpentine lake, Hyde Park and Kensington Gardens, central London

## Balcis aciculata

- Hoskin, G. P.; and Cheng, T. C., 1970, Proc. Symp. Mollusca (Cochin, Jan. 12-16, 1968), pt. 3, 780-798  
*Holothuria atra*  
*Actinopyga mauritiana*  
 all from Hawaii

## Balcis intermedia (Cantraine), illus.

- Caso, M. E., [1969], An. Inst. Biol. Univ. Nac. Auton. Mexico, s. Cien. Mar y Limnol., v. 39 (1), 1968, 31-39  
*Holothuria glaberrima*: Norte de Veracruz, Ver.

- Gastropoda  
Luetzen, J., 1972, *Steenstrupia*, v. 2 (16),  
233-246  
survey, associations between parasitic  
gastropods and crinoids
- Glochidia [sp.]  
Cloutman, D. G.; and Becker, D. A., 1977, *J. Parasitol.*, v. 63 (2), 372-376  
Micropterus salmoides  
M. punctulatus  
(gills of all): all from Lake Fort Smith,  
Crawford County, Arkansas
- Glochidium [sp.], indet.  
Dabrowska, Z., 1970, *Acta Parasitol. Polon.*,  
v. 17 (20-38), 189-193  
Barbus barbus (fin)  
Abramis brama (fin)  
Blicca bjoerkna (gills)  
Leuciscus leuciscus (gills)  
L. idus (gills)  
Chondrostoma nasus (fin)  
Aspius aspius (fin)  
Rutilus rutilus (fin, gills)  
Scardinius erythrophthalmus (gills)  
Esox lucius (fin, gills)  
Pungitius pungitius (fin, gills)  
Perca fluviatilis (fin, gills, skin surface)  
Lucioperca lucioperca (gills)  
Acerina cernua (gills)  
Leuciscus cephalus (fin, gills)  
all from Vistula River near Warsaw
- Glochidia [sp.]  
Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, *Southwest. Nat.*, v. 22 (4), 525-535  
Ictalurus punctatus  
Pomoxis annularis  
Lepomis macrochirus  
(gills of all): all from Eagle Mountain  
Lake, Texas
- Goodingia gen. n.  
Luetzen, J., 1972, *Steenstrupia*, v. 2 (16),  
233-246  
tod: G. varicosa (Schepman & Nierstrasz)  
[n. comb.]
- Goodingia varicosa (Schepman & Nierstrasz)  
[n. comb.] (tod), illus.  
Luetzen, J., 1972, *Steenstrupia*, v. 2 (16),  
233-246  
redescription  
Syn.: Mucronalia varicosa Schepman & Nierstrasz, 1909  
Capillaster multiradiatus(?)
- Margaritifera margaritifera, illus.  
Meyers, T. R.; and Millemann, R. E., 1977, *J. Parasitol.*, v. 63 (4), 728-733  
Margaritifera margaritifera, comparative  
susceptibility of 6 species of salmonid fish-  
es to infection with glochidia using known  
numbers of parasites under controlled con-  
ditions, mortality rates  
Oncorhynchus nerka kennerlyi (gills)(exper.)  
Salmo clarki (gills)(exper.)  
Salmo salar (gills) (exper.)  
Salmo gairdneri (gills)(exper.)  
Oncorhynchus kisutch (gills, fins, buccal cav-  
ity) (exper.)  
Oncorhynchus tshawytscha (gills, fins, buccal  
cavity) (exper.)
- Monogamus n. gen.  
Luetzen, J., 1976, *Israel J. Zool.*, v. 25  
(1-2), 38-51  
Prosobranchia  
tod: M. entopodia n. sp.
- Monogamus entopodia n. sp. (tod), illus.  
Luetzen, J., 1976, *Israel J. Zool.*, v. 25  
(1-2), 38-51  
Echinometra mathaei (tube feet near peri-  
stome): Gulf of Elat, Red Sea
- Monogamus interspinea n. sp., illus.  
Luetzen, J., 1976, *Israel J. Zool.*, v. 25  
(1-2), 38-51  
Echinometra mathaei (skin): western Pacific  
Ocean (Amboina; Obilatu, the Moluccas; Solo-  
mon Island; Tahiti)
- Mucronalia nitidula (Pease, 1860), illus.  
Hoskin, G. P.; and Cheng, T. C., 1970, *Proc. Symp. Mollusca (Cochin, Jan. 12-16, 1968)*, pt. 3, 780-798  
Mucronalia nitidula on Holothuria atra,  
external and internal anatomy, functional  
morphology, host specificity  
Holothuria atra (body surfaces): off Queen's  
Surf Beach, Oahu, Hawaii; Kaneohe Bay, Oahu,  
Hawaii; Island of Kauai, Hawaii
- Mucronalia varicosa Schepman & Nierstrasz, 1909  
Luetzen, J., 1972, *Steenstrupia*, v. 2 (16),  
233-246  
as syn. of Goodingia varicosa (Schepman &  
Nierstrasz) [n. comb.]
- Pisolamia n. g.  
Bouchet, P.; and Luetzen, J., 1976, *Compt. Rend. Acad. Sc., Paris*, v. 282, s. D., (10),  
1013-1016  
Stiliferidae, tod: Stilifer brychius
- Stilifer sp., illus.  
Jones, S.; and James, D. B., 1970, *Proc. Symp. Mollusca (Cochin, Jan. 12-16, 1968)*, pt. 3, 799-804  
Stilifer sp. in Holothuria atra (cloacal  
chamber), description, early development:  
localities in the neighborhood of Manadapam
- Stilifer brychius Watson, to Pisolamia n. g.  
[comb. not made]  
Bouchet, P.; and Luetzen, J., 1976, *Compt. Rend. Acad. Sc., Paris*, v. 282, s. D., (10),  
1013-1016  
Oneirophanta mutabilis (hemal system):  
golfe de Gascogne



## ANNELEIDA

- Adenodrilus* n. gen.  
Holt, P. C., 1977, Proc. Biol. Soc. Washington,  
v. 90 (3), 726-734  
Branchiobdellida  
tod: *A. hemophagus* n. sp.
- Adenodrilus hemophagus* n. sp. (tod), illus.  
Holt, P. C., 1977, Proc. Biol. Soc. Washington,  
v. 90 (3), 726-734  
*Pacifastacus leniusculus klamathensis* (gill):  
Elk Creek, Douglas Co., Oregon
- Aestabdelta* gen. n.  
Bureson, E. M., 1976, J. Parasitol., v. 62  
(5), 789-792  
Piscicolidae, tod: *A. abditovesiculata*  
(Moore 1952) comb. n.
- Aestabdelta abditovesiculata* (Moore 1952) comb.  
n. (tod), illus.  
Bureson, E. M., 1976, J. Parasitol., v. 62  
(5), 789-792  
revised diagnosis, description  
Syn.: *Johanssonia abditovesiculata* Moore 1952  
*Arothron hispidus*: Honolulu aquarium  
*Leptocottus armatus* (mouth, pelvic fins):  
Yaquina Bay, Oregon; Tomales Bay, Colorado  
Lagoon, Long Beach, and Newport Bay, Cali-  
fornia  
*Psettichthys melanostictus*: Yaquina Bay,  
Oregon  
*Gymnothorax mordax*: Tijuana Slough, San  
Diego, California  
*Hyposopsetta guttulata*: Newport Bay, Cali-  
fornia
- Aestabdelta platycephali* (Ingram 1957) [comb. n.]  
Bureson, E. M., 1976, J. Parasitol., v. 62  
(5), 789-792  
Syn.: *Ichthyobdella platycephali* Ingram 1957
- Antarctobdella crozetensis* Sawyer, 1972  
Sawyer, R. T.; and de Villiers, A. F., 1976,  
Hydrobiologia, v. 48 (3), 267-268  
description, "Dollfus" (1971) record of *A.*  
*tcherniai* from Marion should be referred to  
*A. crozetensis*: Gunners point (N.E. coast),  
Marion Island
- Antarctobdella tcherniai* [of] Dollfus, (1971)  
Sawyer, R. T.; and de Villiers, A. F., 1976,  
Hydrobiologia, v. 48 (3), 267-268  
"Dollfus" (1971) record of *A. tcherniai*  
from Marion should be referred to *A.*  
*crozetensis*
- Austrobdella*  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-licees of Indian  
Ocean
- Austrobdella bilobata* Ingram, 1957  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean,  
biology and behavior, geographic distri-  
bution, key
- Austrobdella californiana* n. sp., illus.  
Bureson, E. M., 1977, Tr. Am. Micr. Soc.,  
v. 96 (2), 263-267  
*Hippoglossina stomata*  
*Pleuronichthys verticalis*  
*P. decurrens*  
*Scorpaena guttata*  
all from Newport Beach, California
- Batrachobdella cryptobranchii* n. sp., illus.  
Johnson, G. M.; and Klemm, D. J., 1977, Tr.  
Am. Micr. Soc., v. 96 (3), 327-331  
*Cryptobranchus alleganiensis bishopi*: North  
Fork of the White River, Ozark County, Mis-  
souri
- Batrachobdella phalera*  
Curry, M. G., 1977, Wasmann J. Biol., v. 35  
(1), 65-67  
Delaware
- Batrachobdella phalera* (Graf, 1899)  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
key  
unattached: Berkeley and Sumter Counties,  
South Carolina; Gates and Bertie Counties,  
North Carolina; Chesterfield County, Virginia
- Batrachobdella picta* (Verrill, 1872)  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
key  
*Ambystoma maculata*  
*A. talpoideum*  
all from Macon County, North Carolina
- Beringbdella* nom. nov. for *Levinsonia* Vasiliev,  
1939  
Caballero y Caballero, E., [1974], An. Inst.  
Biol. Univ. Nac. Auton. Mexico, s. Cien. Mar  
y Limnol., v. 41 (1), 1970, 155
- Beringbdella rectangulata* (Levinson, 1882) n.  
comb.  
Caballero y Caballero, E., [1974], An. Inst.  
Biol. Univ. Nac. Auton. Mexico, s. Cien. Mar  
y Limnol., v. 41 (1), 1970, 155  
Syn.: *Piscicola rectangulata* Levinson, 1882
- Branchellion*  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-licees of Indian  
Ocean
- Branchellion angeli* Sigalas, 1921  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean,  
biology and behavior, geographic distri-  
bution, key
- Branchellion australis* Leigh-Sharpe, 1916  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean,  
biology and behavior, geographic distri-  
bution, key

- Branchellion lobata* Moore, 1952, *illus.*  
Moser, M.; and Anderson, S., 1977, *Canad. J. Zool.*, v. 55 (4), 759-760  
*Branchellion lobata* in *Squatina californica* (spiracle valves on head, around cloaca, ventral surface of embryos within uterus): off Santa Barbara, California
- Branchellion lobata*, *illus.*  
Russo, R. A., 1975, *Calif. Fish and Game*, v. 61 (4), 228-232  
*Triakis semifasciata*  
*Mustelus henlei*  
*Squalus acanthias*  
*Notorhynchus maculatus*  
*Galeorhinus zyopterus*  
all from California
- Branchellion parkeri* Richardson, 1949  
Sanjeeva Raj, P. J., 1976, *J. Marine Biol. Ass. India*, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Branchellion plicobranchus* Sanjeeva Raj, 1953  
Sanjeeva Raj, P. J., 1976, *J. Marine Biol. Ass. India*, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Branchellion ravenelii* (Girard, 1850)  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key
- Branchellion torpedinis* Savigny, 1822  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key
- Calliobdella carolinensis* Sawyer and Chamberlain, 1972  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
as syn. of *Calliobdella vivida* (Verrill, 1872)
- Calliobdella vivida* (Verrill, 1872)  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key  
Syn.: *Calliobdella carolinensis* Sawyer and Chamberlain, 1972
- Cystobranchnus* Diesing 1859  
Hayunga, E. G.; and Grey, A. J., 1976, *J. Parasitol.*, v. 62 (4), 621-627  
key to species, includes: *Cystobranchnus mammillatus*; *C. mayeri* sp. n.; *C. fasciatus*; *C. respirans*; *C. virginicus*; *C. verrilli*; *C. vividus*
- Cystobranchnus*  
Sanjeeva Raj, P. J., 1976, *J. Marine Biol. Ass. India*, v. 16 (2), 1974, 381-397  
key to species of fish-licees of Indian Ocean
- Cystobranchnus anoculatus* Kaburaki, 1921  
Sanjeeva Raj, P. J., 1976, *J. Marine Biol. Ass. India*, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Cystobranchnus meyeri* sp. n., *illus.*  
Hayunga, E. G.; and Grey, A. J., 1976, *J. Parasitol.*, v. 62 (4), 621-627  
key  
*Catostomus commersoni* (pectoral, pelvic and caudal fins): Lisha Kill, tributary of Mohawk River (Hudson River drainage), Niskayuna Township, Schenectady County, New York
- Cystobranchnus verrilli* Meyer  
White, G. E.; and Crisp, N. H., 1973, *Tr. Kentucky Acad. Sc.*, v. 34 (3, 4), 47-48  
*Esox masquinongy*: mile 220.0, Kentucky River, Kentucky
- Cystobranchnus virginicus* Hoffmann, 1964, *illus.*  
Paperna, I.; and Zwerner, D. E., 1974, *Proc. Helminth. Soc. Washington*, v. 41 (1), 64-67  
*Cystobranchnus virginicus*, histopathological changes in dermis and epidermis of *Ictalurus catus*: York River, Virginia
- Cystobranchnus virginicus* Hoffman, 1964  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key
- Dero* (Allodero) hylae  
Harman, W. J., 1976, *Tr. Am. Micr. Soc.*, v. 95 (2), 274 [Abstract]  
"The parasitic form can be cultured, and it develops the characteristics of an undescribed species in a closely related genus."
- Dina dubia* (Moore et Meyer, 1951)  
Vincent, B.; and Vaillancourt, G., 1977, *Naturaliste Canad.*, v. 104 (3), 269-271  
[no host]: fleuve Saint-Laurent, Gentilly, Quebec
- Dina lineata*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
licees, distribution in relation to degree of water pollution: rivers Bzura and Ner
- Dinobdella ferox*, *illus.*  
Kagei, N., 1973, *Nettai (Tropics)*, v. 8 (1), 1-5  
*Macacca mulatta* (nasal passage): Osaka, Japan, recently imported from India
- Erpobdella monostriata*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
licees, distribution in relation to degree of water pollution: rivers Bzura and Ner
- Erpobdella nigricollis*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
licees, distribution in relation to degree of water pollution: rivers Bzura and Ner

- Erpobdella octoculata*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner
- Erpobdella punctata* (Leidy, 1879)  
Maloney, S. D.; and Chandler, C. M., 1976, *Am. Midland Naturalist*, v. 95 (1), 42-48  
upper Stones river drainage, middle Tennessee
- Erpobdella punctata costalis* subsp. nov., illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key  
[no host]: South Carolina (Santee River Swamp near Jamestown, Williamsburg-Georgetown County Line; U.S. 78 and Indian Field Swamp, E.S.E. St. George, Dorchester County; North Edisto River at S.C. Highway 21, Orangeburg County; Sampit River at Sampit, Georgetown County); North Carolina (Little Mountain Creek, 2.5 miles S. Badin, Yadkin River System, Stanly County)
- Erpobdella punctata punctata* (Leidy, 1870), illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key  
[no host]: McCormick, York, and Pickens Counties, South Carolina; Union, North Carolina
- Erpobdella testacea*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner
- Glossiphonia complanata* (L.), illus.  
Damas, D., 1977, *Arch. Zool. Exper. et Gen.*, v. 118 (1), 29-42  
Glossiphonia complanata, anatomy and development of female genital apparatus during annual cycle, histology, ultrastructure
- Glossiphonia complanata*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner
- Glossiphonia heteroclita*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner
- Glossiphonia stagnalis*  
Lank, D. R., jr., 1971, *Proc. Indiana Acad. Sc.*, v. 81 (2), 359-364  
in collection jars, probably attached to *Rana catesbeiana* at time of collection: Indiana
- Glossiphonia swampina* (Bosc, 1802), illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key  
unattached: Berkeley County, South Carolina; Gates, Bertie, and Onslow Counties, North Carolina
- Glyptonotobdella antarctica* Sawyer and White, 1969  
Sawyer, R. T.; and de Villiers, A. F., 1976, *Hydrobiologia*, v. 48 (3), 267-268  
description: Duiker's Point (N.E. coast), Marion Island
- Gnathobdelliformes* Caballero, 1952  
Mason, J., 1976, *J. Roy. Soc. N. Zealand*, v. 6 (3), 255-276  
diagnosis; key to New Zealand species
- Goddardobdella elegans*, illus.  
Richardson, L. R., 1976, *J. Parasitol.*, v. 62 (5), 847-848  
pathological giantism in *Goddardobdella elegans* infecting cattle (teat-cisterns): vicinity of Townsville, northeastern Queensland
- Goddardobdella elegans* (Grube 1867), illus.  
Sobari, S.; et al., 1976, *Austral. Vet. J.*, v. 52 (4), 197-198 [Letter]  
*Goddardobdella elegans*, beef cows (udders), leeches localized in milk cistern, histological changes: near Ingham, north Queensland
- Haemadipsa hainana* Song, Zhang et Tan, sp. nov., illus.  
Song, D.; et al., 1977, Tung Wu Hsueh Pao (*Acta Zool. Sinica*), v. 23 (1), 102-108  
[no host]: Qionghai Xian and Tunchang Xian, Hainan Dao, Guangdong Province (China)
- Haemadipsa qomolangma* Song et Jiang, sp. nov., illus.  
Song, D.; et al., 1977, Tung Wu Hsueh Pao (*Acta Zool. Sinica*), v. 23 (1), 102-108  
[no host]: Nyanang Xian, Qomolangma Feng Area, Xizang (China)
- Haemadipsa tianmushana* Song, sp. nov., illus.  
Song, D.; et al., 1977, Tung Wu Hsueh Pao (*Acta Zool. Sinica*), v. 23 (1), 102-108  
[no host]: Tianmu Shan, Zhejiang Province, China
- Haemadipsa yanyuanensis* Liu et Song, sp. nov., illus.  
Song, D.; et al., 1977, Tung Wu Hsueh Pao (*Acta Zool. Sinica*), v. 23 (1), 102-108  
[no host]: Yanyuan Yizu Zizhixian, Sichuan Province, China
- Haemopsis marmorata* (Say, 1824) sensu Moore 1901  
Maloney, S. D.; and Chandler, C. M., 1976, *Am. Midland Naturalist*, v. 95 (1), 42-48  
upper Stones river drainage, middle Tennessee
- Haemopsis marmorata* (Say, 1824)  
Sawyer, R. T.; and Shelley, R. M., 1976, *J. Nat. Hist.*, v. 10 (1), 65-97  
key  
[no host]: Macon County, North Carolina
- Haemopsis sanguisuga*  
Matysiak, K., 1976, *Acta Hydrobiol.*, v. 18 (3), 259-276  
leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner



*Haemopsis septagon* sp. nov., illus.

Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97

key

[no host]: North Carolina (New Hope Creek Floodplain off N.C. Highway 54, Durham County; Milburn Rd., Wake County; Harrellsville, Hertford County; Gates County; Wilmington, New Hanover County); South Carolina (1 mile N.E. Plantersville, Georgetown County); Virginia (Five Forks, James City County)

*Haemopsis terrestris*

Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97

[no host]: West Baton Rouge, Louisiana; Pine Bluff, Arkansas; Choctaw County, Mississippi; Tuskegee National Forest, Alabama  
\*crayfish (burrow): Gainesville, Florida

*Helobdella* [sp.]

Crewe, W.; and Cowper, S. G., 1973, Tr. Roy. Soc. Trop. Med. and Hyg., v. 67 (1), 25 [Demonstration]

*Bulinus truncatus*: laboratory aquarium

*Helobdella elongata* (Castle, 1900)

Maloney, S. D.; and Chandler, C. M., 1976, Am. Midland Naturalist, v. 95 (1), 42-48  
upper Stones river drainage, middle Tennessee

*Helobdella elongata* (Castle, 1900)

Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97

key

[no host]: Orangeburg and Dorchester Counties, South Carolina; Gates, Bertie, Carteret, and Columbus Counties, North Carolina

*Helobdella elongata* (Castle, 1900)

Vincent, B.; and Vaillancourt, G., 1977, Naturaliste Canad., v. 104 (3), 269-271  
[no host]: fleuve Saint-Laurent, Gentilly, Quebec

*Helobdella lineata* (Verrill, 1874)

Maloney, S. D.; and Chandler, C. M., 1976, Am. Midland Naturalist, v. 95 (1), 42-48  
upper Stones river drainage, middle Tennessee

*Helobdella lineata* (Verrill, 1874)

Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97

key

unattached: Georgetown, Berkeley, Charleston, Orangeburg, Dorchester, Darlington, York, Aiken, and Pickens Counties, South Carolina; Gates, Carteret, Onslow, Columbus, and Chatham Counties, North Carolina

*Helobdella stagnalis*

Curry, M. G., 1977, Wasmann J. Biol., v. 35 (1), 65-67  
Delaware

*Helobdella stagnalis*

Matysiak, K., 1976, Acta Hydrobiol., v. 18 (3), 259-276

leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner

*Helobdella stagnalis* (Linnaeus, 1758)

Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97

key

[no host]: Georgetown, Orangeburg, and Sumter Counties, South Carolina; Gates, Bertie, Onslow, and Columbus Counties, North Carolina

*Hemiclepsis marginata*

Letch, C. A., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (5), 380-381 [Demonstration]

*Hemiclepsis marginata* as vector of fish trypanosomes in River Lee; isoenzyme techniques for characterization of isolated fish trypanosomes supports finding that all should be classified as single species

*Hemiclepsis marginata*

Matysiak, K., 1976, Acta Hydrobiol., v. 18 (3), 259-276

leeches, distribution in relation to degree of water pollution: rivers Bzura and Ner

*Hirudinea*

Negele, R. D., 1975, Fisch u. Umwelt (1), 123-126

*Hirudinea* as pests or disease vectors in fishes, review

*Hirudinea*

Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97

key to leeches known and expected from North and South Carolina

[*Hirudinea* spp.] unidentified leeches

Nagel, M., 1976, J. Parasitol., v. 62 (3), 494-495

*Ictalurus punctatus*

*Pyloodictis olivaris*

all from Lake Texoma, Oklahoma

[*Hirudinea* sp.] leech

Tasto, R. N., 1975, Fish Bull. (165), State Calif. Resources Agency, Dept. Fish and Game, 123-135

*Leptocottus armatus* (isthmus): Anaheim Bay

*Hirudo antipodum* Benham, 1904

Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276

as syn. of *Hirudobdella antipodum* (Benham, 1904) Goddard, 1910

*Hirudo intermedia*

Goldsmid, J. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 86 [Letter]

human (vagina): Rhodesia

*Hirudo mauiana* Benham, 1907

Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276

as syn. of *Richardsonianus mauianus* (Benham, 1907) Soos, 1969

- Hirudo medicinalis*  
 Euzéby, J.; and Graber, M., 1976, Bull. Acad. Vet. France, v. 49 (1), 47-51  
*Schistosoma mansoni*, review of possible biological control measures against *Biomphalaria glabrata* in Guadeloupe (castration by *Clino-stomum* sp.; predation by *Cambarus affinis*; parasitism by *Hirudo medicinalis*)
- Hirudo nipponica*, illus.  
 Kikuchi, S.; et al., 1977, Eisei Dobutsu (Japan. J. San. Zool.), v. 28 (4), 393-400  
*Hirudo nipponica*, morphology, denticular arrangement, scanning electron microscopy
- Hirudo pulchra* Song, sp. nov., illus.  
 Song, D.; et al., 1977, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 23 (1), 102-108  
 [no host]: Ningbo, Zhejiang Province, China
- Hirudo sjoestedti*  
 Goldsmid, J. M., 1977, Tr. Roy. Soc. Trop. Med. and Hyg., v. 71 (1), 86 [Letter]  
 human (thigh): Rhodesia
- Hirudobdella* Goddard, 1910  
 Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276  
 diagnosis
- Hirudobdella antipodum* (Benham, 1904) Goddard, 1910, illus.  
 Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276  
 key, diagnosis, description  
 Syn.: *Hirudo antipodum* Benham, 1904  
 + *Puffinus griseus* (burrows): Open Bay Island off west coast of New Zealand
- Hirudobdella benhami* n. sp., illus.  
 Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276  
 key  
 Caswell Sound, Fiordland, New Zealand
- Ichthyobdella platycephali* Ingram 1957  
 Bureson, E. M., 1976, J. Parasitol., v. 62 (5), 789-792  
 as syn. of *Aestabdella platycephali* (Ingram 1957) [comb. n.]
- Illinobdella alba* Meyer, 1940  
 Baker, J. C.; and Crites, J. L., 1976, Proc. Helminth. Soc. Washington, v. 43 (1), 37-39  
*Ictalurus punctatus* (pectoral, anal, caudal fin): island region of western Lake Erie
- Illinobdella alba* (Mayer, 1940)  
 Maloney, S. D.; and Chandler, C. M., 1976, Am. Midland Naturalist, v. 95 (1), 42-48  
*Micropterus dolomieu* (caudal fin): upper Stones river drainage, middle Tennessee
- Illinobdella alba*  
 Nagel, M., 1976, J. Parasitol., v. 62 (3), 494-495  
*Aplodinotus grunniens*: Lake Texoma, Oklahoma
- Illinobdella moorei*  
 Gruninger, T. L.; Murphy, C. E.; Britton, J. C., 1977, Southwest. Nat., v. 22 (4), 525-535  
*Ictalurus punctatus*  
*Lepomis gulosus*  
*Pomoxis annularis*  
*Lepomis macrochirus*  
*Lepomis microlophus*  
 all from Eagle Mountain Lake, Texas
- Illinobdella moorei* (Meyer, 1940) Meyer, 1946  
 Hensley, G. H.; and Nahhas, F. M., 1975, Calif. Fish and Game, v. 61 (4), 201-208  
*Ictalurus catus* (skin, gills, fins): Sacramento-San Joaquin Delta, California
- Illinobdella moorei* (Meyer, 1940)  
 Maloney, S. D.; and Chandler, C. M., 1976, Am. Midland Naturalist, v. 95 (1), 42-48  
*Ambloplites rupestris*  
*Chaenobryttus gulosus*  
*Lepomis gibbosus*  
*L. macrochirus*  
*L. megalotis*  
*Micropterus dolomieu*  
*M. salmoides*  
*Notropis cornutus*  
*Ictalurus melas*  
*Etheostoma squamiceps*  
 (fins of all): all from upper Stones river drainage, middle Tennessee
- Illinobdella moorei*  
 Nagel, M., 1976, J. Parasitol., v. 62 (3), 494-495  
*Aplodinotus grunniens*  
*Ictalurus punctatus*  
 all from Lake Texoma, Oklahoma
- Illinobdella moorei* Meyer, 1940  
 Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
 as syn. of *Myzobdella lugubris* Leidy, 1851
- Illinobdella moorei*  
 White, G. E., 1977, J. Parasitol., v. 63 (6), 1138  
*Cyprinus carpio*  
*Ictalurus punctatus*  
*Aplodinotus grunniens*  
*Lepomis* sp.  
 all from Ohio River
- Illinobdella moorei* (Meyer)  
 White, G. E.; and Crisp, N. H., 1973, Tr. Kentucky Acad. Sc., v. 34 (3, 4), 47-48  
*Lepomis* sp.: Eagle Creek, Carroll County  
*Ictalurus natalis*: Hell-for-Certain Creek, Leslie County  
*Micropterus punctulatus*: Eagle Creek, Carroll County  
 all from Kentucky
- Johanssonia*  
 Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
 key to species of fish-lice of Indian Ocean
- Johanssonia* sp.  
 Khan, R. A., 1976, Canad. J. Zool., v. 54 (11), 1840-1849  
*Gadus morhua*

- Johanssonia* sp.  
Khan, R. A., 1977, J. Fish. Research Bd. Canada, v. 34 (11), 2193-2196  
Gadus morhua (exper.), used to transmit Trypanosoma murmanensis
- Johanssonia abditovesiculata* Moore 1952  
Bureson, E. M., 1976, J. Parasitol., v. 62 (5), 789-792  
as syn. of *Aestabdelia abditovesiculata* (Moore 1952) comb. n.
- Johanssonia platycephali* Ingram, 1957  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-leeches of the Indian Ocean, biology and behavior, geographic distribution, key
- Leech. See [Hirudinea]
- Levinsonia* Vasiliev, 1939 renamed *Beringbdella* nom. nov.  
Caballero y Caballero, E., [1974], An. Inst. Biol. Univ. Nac. Auton. Mexico, s. Cien. Mar y Limnol., v. 41 (1), 1970, 155
- Limnbdella australis* [of] Richardson, 1949 [et auct.]  
Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276  
as syn. of *Richardsonianus mauianus* (Benham, 1907) Soos, 1969
- Limnbdella australis* var. *mauiensis* Ingram, 1957  
Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276  
as syn. of *Richardsonianus mauianus* (Benham, 1907) Soos, 1969
- Macrobdella decora* (Say, 1824)  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key  
[no host]: Oconee County, South Carolina; Alamance and Jackson Counties, North Carolina; Fairfax County, Virginia
- Macrobdella diplotertia* sp. n., illus.  
Meyer, M. C., 1975, Proc. Helminth. Soc. Washington, v. 42 (2), 82-85  
host preference unknown: Osage River, Osage County, Missouri
- Macrobdella ditetra* Moore, 1953, illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key  
[no host]: Berkeley, Charleston, and Georgetown Counties, South Carolina; Beaufort and Carteret Counties, North Carolina
- Macrobdella sestertia* Whitman  
Smith, D. G., 1977, J. Parasitol., v. 63 (4), 759-760  
rediscovery, brief description: Chebacco Lake, Hamilton Tp., Essex County, Massachusetts
- Malmiana  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-leeches of Indian Ocean
- Malmiana diminuta* sp. n., illus.  
Bureson, E. M., 1977, J. Parasitol., v. 63 (1), 130-136  
*Sebastes melanops* (skin, fins): Oregon State University Marine Science Center Public Aquarium, collected from Oregon estuarine and coastal waters; off central Oregon coast  
*Scorpaenichthys marmoratus* (skin, fins): Oregon State University Marine Science Center Public Aquarium, collected from Oregon estuarine and coastal waters; Puget Sound, Washington  
*Ophiodon elongatus* (skin, fins): Oregon State University Marine Science Center Public Aquarium, collected from Oregon estuarine and coastal waters; Vancouver Public Aquarium, Vancouver, B. C., Canada  
*Sebastes* spp.: Vancouver Public Aquarium, Vancouver, B. C., Canada  
*Enophrys bison*: Vancouver Public Aquarium, Vancouver, B. C., Canada  
*Myoxocephalus polyacanthocephalus*: Vancouver Public Aquarium, Vancouver, B. C., Canada  
*Hippoglossus stenolepis*: Vancouver Public Aquarium, Vancouver, B. C., Canada
- Malmiana stellata* Moore, 1958  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-leeches of the Indian Ocean, biology and behavior, geographic distribution, key
- Malmiana virida* sp. n., illus.  
Bureson, E. M., 1977, J. Parasitol., v. 63 (1), 130-136  
*Enophrys bison* (behind pectoral fins): Yaquina Bay, Newport, Oregon
- Marvinmeyeria* (= *Oculobdella*) *lucida*  
Klemm, D. J., 1973, Malacol. Rev., v. 6 (1), 66-67  
*Stagnicola exilis*: Huron drainage system of Michigan
- Marvinmeyeria lucida* (Moore, 1954)  
Vincent, B.; and Vaillancourt, G., 1977, Naturaliste Canad., v. 104 (3), 269-271  
[no host]: fleuve Saint-Laurent, Gentilly, Quebec
- Mooreobdella melanostoma* sp. nov., illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key  
[no host]: South Carolina (shore of Lake Marion at Santee State Park near Santee, Orangeburg County; pond near Belle Isle Gardens, 3 miles S. Georgetown, Georgetown County; Loring Lee Mill Pond off U.S. 76, Sumter County; Edisto River at S.C. Highway 434, Bamberg County); North Carolina (Merchant's Mill Pond, Gates County; Hoggard Mill Swamp, Bertie County; Yates Pond, Wake County)



- Mooreobdella microstoma* [sensu] Sawyer (1971)  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
as syn. of *M. tetragon* sp. nov.
- Mooreobdella ochotherenai* [sic] (Caballero, 1932)  
new combination  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97
- Mooreobdella tetragon* sp. nov., illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
key  
Syn.: *M. microstoma* [sensu] Sawyer (1971)  
[no host]: South Carolina (Warrenville Pond  
near Graniteville and pond at Vauluse, Aiken  
County; Lake Marion at Eutawville, Orangeburg  
County; ponds at Fort Mill Golf Course, York  
County; Sweet Creek, Lancaster County; Huger  
Boat Landing, Berkeley County); North Caroli-  
na (Merchant's Mill Pond, Gates County; Hog-  
gard Mill Swamp, Bertie County; pond near  
Cape Hatteras lighthouse, Dare County)
- Myzobdella lugubris* Leidy, 1851, illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
key  
Syn.: *Illinobdella moorei* Meyer, 1940  
*Palaemonetes paludosus* (dorsal abdominal sur-  
face): Craven County, North Carolina  
[no host]: Berkeley, Charleston, Colleton,  
Anderson, and Pickens Counties, South  
Carolina; Duplin and Pender, Wake, and  
Transylvania Counties, North Carolina
- Myzobdella moorei* (Meyer 1940) Meyer 1946  
Miller, R. L.; Olson, A. C., jr.; and Miller,  
L. W., 1973, Calif. Fish and Game, v. 59 (3),  
196-206  
*Ictalurus punctatus*  
*Lepomis cyanellus*  
*L. macrochirus*  
*Micropterus salmoides*  
*Notemigonis crysoleucas*  
*Pomoxis annularis*  
*P. nigromaculatus*  
all from southern California reservoirs
- Nephelopsis obscura* Verrill, 1872  
Davies, R. W.; and Everett, R. P., 1977, Canad.  
J. Zool., v. 55 (3), 620-627  
*Nephelopsis obscura*, life history, growth and  
age structure related to seasonal changes,  
seasonal population movements from deep-water  
zone to shore zone; no direct correlation  
between cocoon production and water tempera-  
ture: Newsome Pond and Jail Pond, Alberta,  
Canada
- Oceanobdella blennii* (Knight-Jones)  
Davies, A. J.; and Johnston, M. R. L., 1976,  
J. Protozool., v. 23 (2), 315-320  
*Haemogregarina bigemina* in *Blennius pholis*,  
incidence in relation to length of host,  
structure and development, no evidence for  
leech *Oceanobdella blennii* as vector, cir-  
cumstantial evidence for *Gnathia maxillaris*  
as vector: Wales
- Oceanobdella pallida* n. sp., illus.  
Burreson, E. M., 1977, Tr. Am. Micr. Soc.,  
v. 96 (4), 526-530  
*Parophrys vetulus* (mouth and gill cavity):  
Pacific Ocean, 5 km west of Newport, Oregon
- Oligobdella biannulata* (Moore, 1900), illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
biological observations, key  
*Desmognathus auriculatus* (exper.)  
*D. quadramaculatus*: Caldwell County, North  
Carolina  
*D. ochrophaeus*: Caldwell County, North  
Carolina  
*Leurognathus marmoratus*: Clay County, North  
Carolina  
[no host]: Greenville, Oconee, and Pickens  
Counties, South Carolina; Watauga, Avery,  
and Macon Counties, North Carolina
- Ornithobdella Benham*, 1909  
Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6  
(3), 255-276  
diagnosis
- Ornithobdella edentula* Benham, 1909, illus.  
Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6  
(3), 255-276  
key, diagnosis, description  
+*Eudyptes robustus* (nests): Snares Islands,  
New Zealand
- Ozobranchus*  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-leeches of Indian  
Ocean
- Ozobranchus branchiatus* (Menzies, 1791)  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-leeches of the Indian Ocean,  
biology and behavior, geographic distri-  
bution, key
- Ozobranchus branchiatus* (Menzies, 1791)  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
key
- Ozobranchus margoi* (Apathy, 1890)  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-leeches of the Indian Ocean,  
biology and behavior, geographic distri-  
bution, key
- Ozobranchus margoi* (Apathy, 1890)  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
key
- Ozobranchus papillatus* Kaburaki, 1921  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-leeches of the Indian Ocean,  
biology and behavior, geographic distri-  
bution, key

- Ozobranchus polybranchus* Sanjeeva Raj, 1951  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean,  
biology and behavior, geographic distribution, key
- Ozobranchus shipleyi* Harding, 1909  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean,  
biology and behavior, geographic distribution, key
- Philobdella gracilis* Moore, 1901, illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J.  
Nat. Hist., v. 10 (1), 65-97  
key  
[no host]: Berkeley, Charleston, Dorchester,  
and York Counties, South Carolina; Columbus  
County, North Carolina
- Piscicola*  
Gerard, J. P., 1976, Bull. Franc. Piscicult.  
(262), 1-4  
masoten treatment of fish parasites, toxicity
- Piscicola*  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-licees of Indian  
Ocean
- Piscicola caeca* Kaburaki, 1921  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean,  
biology and behavior, geographic distribution, key
- Piscicola funduli*  
Nigrelli, R. F.; Pokorny, K. S.; and Ruggieri,  
G. D., 1975, J. Protozool., v. 22 (3), 43A  
[Abstract]  
Trypanoplasma sp. nov. found in both toad-  
fish and in leech infesting it, leech as  
apparent vector  
Opsanus tau: Long Island Sound
- Piscicola geometra* (Linnaeus, 1761) Blainville,  
1818  
Ejsymont, L., 1970, Acta Parasitol. Polon.,  
v. 17 (20-38), 203-216  
Silurus glanis (skin, pectoral fins, gill  
cavity): river Biebrza basin, Poland
- Piscicola geometra* (Linne, 1761)  
Kulakiv's'ka, O. P., 1976, Vestnik. Zool.,  
Akad. Nauk Ukrainsk. SSR, Inst. Zool. (4),  
82-84  
Umbra crameri (skin): Duna delta
- Piscicola geometra*  
Matysiak, K., 1976, Acta Hydrobiol., v. 18  
(3), 259-276  
leeches, distribution in relation to degree  
of water pollution: rivers Bzura and Ner
- Piscicola geometra*, illus.  
Negele, R. D., 1975, Fisch u. Umwelt (1), 123-  
126  
Hirudinea as pests or disease vectors in  
fishes, review
- Piscicola olivacea* Harding, 1920  
Sanjeeva Raj, P. J., 1976, J. Marine Biol.  
Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean,  
biology and behavior, geographic distribution, key
- Piscicola punctatus*  
Heckmann, R.; and Farley, D. G., 1973, J.  
Wildlife Dis., v. 9 (3), 221-224  
Hesperoleucus symmetricus symmetricus (fins):  
foothill streams east of Fresno, California
- Piscicola punctata* (Verrill, 1871)  
White, G. E., 1974, Tr. Am. Micr. Soc., v. 93  
(2), Apr., 280-282  
Catostomus commersoni: Kentucky River drain-  
age system
- Piscicola punctata* (Verrill)  
White, G. E.; and Crisp, N. H., 1973, Tr. Ken-  
tucky Acad. Sc., v. 34 (3, 4), 47-48  
Catostomus commersoni: mile 170.5, Ken-  
tucky River, Kentucky
- Piscicola rectangulata* Levinsen, 1882  
Caballero y Caballero, E., [1974], An. Inst.  
Biol. Univ. Nac. Auton. Mexico, s. Cien. Mar  
y Limnol., v. 41 (1), 1970, 155  
as syn. of Beringbdella rectangulata (Levin-  
sen, 1882) n. comb.
- Piscicolaria reducta* Meyer 1940  
Erickson, J. E., 1976, J. Parasitol., v. 62  
(3), 409  
Etheostoma zonale (caudal and anal fins):  
Zumbro River, near Zumbro Falls and Jar-  
rett, Wabasha County, Minnesota  
Percina phoxocephala: Zumbro River, Zumbro  
Falls, Wabasha County, Minnesota  
Etheostoma caeruleum: Zumbro River, Jarrett,  
Wabasha County, Minnesota  
Percina maculata: Zumbro River, near Mill-  
ville, Wabasha County, Minnesota
- Piscicolaria reducta* Meyer  
Murray, A. B.; Nance, W. S.; and Tarter, D.  
C., 1977, Tr. Am. Micr. Soc., v. 96 (3), 412  
Etheostoma blennioides (caudal and pectoral  
fins): Twelvepole Creek at Dickson Dam,  
Wayne County, West Virginia
- Piscicolaria reducta*  
Nagel, M., 1976, J. Parasitol., v. 62 (3),  
494-495  
Ictalurus punctatus: Lake Texoma, Oklahoma
- Piscicolaria reducta*  
White, G. E., 1977, J. Parasitol., v. 63 (6),  
1138  
Percina caprodes: Ohio River
- Piscicolaria reducta* Meyer  
White, G. E.; and Crisp, N. H., 1973, Tr. Ken-  
tucky Acad. Sc., v. 34 (3, 4), 47-48  
Notropis atherinoides: mile 249, Kentucky  
River, Kentucky  
Percina caprodes: mile 249, Kentucky River,  
Kentucky



- Placobdella montifera*  
Curry, M. G., 1977, Wasmann J. Biol., v. 35 (1), 65-67  
Anodonta cataracta (mantle cavities): Delaware
- Placobdella montifera* (Moore, 1906)  
Vincent, B.; and Vaillancourt, G., 1977, Naturaliste Canad., v. 104 (3), 269-271  
[no host]: fleuve Saint-Laurent, Gentilly, Quebec
- Placobdella multilineata* Moore, 1953, illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
description, key  
Pseudemys scripta scripta: Charleston County, South Carolina  
Chelydra serpentina: Bertie County, North Carolina  
[no host]: Berkeley, Georgetown, Sumter, and York Counties, South Carolina; Gates, Dare, Tyrrell, Carteret, Pender, and Chatham Counties, North Carolina
- Placobdella nuchalis* sp. nov., illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key  
no host: South Carolina (S.C. Highway 210 and Four Hole Swamp, Orangeburg County; stream near Ashepoo River, 2 miles N. U.S. 17, Colleton County); North Carolina (Merchant's Mill Pond and Duke Swamp, Gates County; small pool in nearly dry canal off Nine Mile Creek, 0.75 miles N.W. Cypress Creek, Duplin County; Hoggard Mill Swamp, Bertie County)
- Placobdella ornata* (Verrill, 1872)  
Maloney, S. D.; and Chandler, C. M., 1976, Am. Midland Naturalist, v. 95 (1), 42-48  
Chelydra serpentina: upper Stones river drainage, middle Tennessee
- Placobdella papillifera* (Verrill, 1872), illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
description, key  
Sternotherus odoratus: Berkeley County, South Carolina  
[no host]: Williamsburg, Sumter, Colleton, Abbeville, and Pickens Counties, South Carolina; Gates, Bertie, Chatham, and Jackson Counties, North Carolina; St. Tammany Parish, Louisiana
- Placobdella parasitica*  
Curry, M. G., 1977, Wasmann J. Biol., v. 35 (1), 65-67  
Delaware
- Placobdella parasitica* (Say)  
McAuliffe, J. R., 1977, J. Parasitol., v. 63 (3), 580-581  
varying Haemogregarina infection levels in 3 turtle species may be a function of their basking behavior which affects incidence of parasitism by the presumed leech vector Chrysemys picta bellii  
Chelydra serpentina  
Emydoidea blandingii  
all from Nebraska Sandhills
- Placobdella parasitica* (Say, 1824)  
Maloney, S. D.; and Chandler, C. M., 1976, Am. Midland Naturalist, v. 95 (1), 42-48  
Chelydra serpentina (hind legs, posterior region)  
Pseudemys scripta (hind legs)  
all from upper Stones river drainage, middle Tennessee
- Placobdella parasitica* (Say, 1824)  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key  
Kinosternon subrubrum: Pickens County, South Carolina  
Sternotherus odoratus: Union County, North Carolina  
unattached: Georgetown, Orangeburg, Berkeley, and Dorchester Counties, South Carolina; Chatham County, North Carolina
- Placobdella parasitica*  
White, G. E., 1977, J. Parasitol., v. 63 (6), 1138  
Cyprinus carpio (eye): Ohio River
- Placobdella rugosa*  
Lank, D. R., Jr., 1971, Proc. Indiana Acad. Sc., v. 81 (2), 359-364  
in collection jars, probably attached to Rana catesbeiana at time of collection: Indiana
- Placobdella translucens* sp. nov., illus.  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key  
host(s) unknown: South Carolina (pond 1 1/2 miles S. Black River on S.C. Highway 51, Georgetown County; 1 mile N. Huger on S.C. Highway 41, Berkeley County); Louisiana (Cedar Ridge Swamp off La. Highway 22 and in barrow pit on La. Highway 22 near Petite Amite, Livingston Parish)
- Poecilobdella granulosa*  
Dev, B.; and Mishra, G. C., 1976, Current Sc., Bangalore, v. 45 (15), 556-557 [Letter]  
Poecilobdella granulosa, giant nerve cells, sub-pharyngeal and segmental ganglia, demonstration technique
- Poecilobdella granulosa*, illus.  
Mishra, G. C.; and Dev, B., 1976, Ztschr. Parasitenk., v. 50 (1), 43-51  
Poecilobdella granulosa, localization of acetylcholinesterase and butyrylcholinesterase in salivary glands; roles of these and other enzymes in biting
- Pontobdella*  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-leeches of Indian Ocean
- Pontobdella aculeata* Harding, 1924  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-leeches of the Indian Ocean, biology and behavior, geographic distribution, key



- Pontobdella australiensis* Goddard, 1909  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Pontobdella loricata* Harding, 1924  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Pontobdella macrothela* (Schmarda, 1861)  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Pontobdella rayneri* Baird, 1869  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Pontobdella tasmanica* (Hickman, 1942)  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Pterobdella*  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-licees of Indian Ocean
- Pterobdella amara* Kaburaki, 1921  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Richardsonianus Soos*, 1968  
Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276  
diagnosis
- Richardsonianus mauianus* (Benham, 1907) Soos, 1969, illus.  
Mason, J., 1976, J. Roy. Soc. N. Zealand, v. 6 (3), 255-276  
synonymy, key, diagnosis, description  
New Zealand
- Stibarobdella macrothela* (Schmarda, 1861)  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key  
*Carcharhinus falciformis*  
*Paralichthys dentatus*  
all from waters off Carteret County, North Carolina
- Theromyzon* sp. (O. F. Mueller, 1774)  
Vincent, B.; and Vaillancourt, G., 1977, Naturaliste Canad., v. 104 (3), 269-271  
*Anas discors* (contenu stomacal): Gentilly, Quebec
- Theromyzon tessulatum*  
Matysiak, K., 1976, Acta Hydrobiol., v. 18 (3), 259-276  
licees, distribution in relation to degree of water pollution: rivers Bzura and Ner
- Trachelobdella*  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
key to species of fish-licees of Indian Ocean
- Trachelobdella leptocephali* Ingram, 1957  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution, key
- Trachelobdella oregonensis* sp. n., illus.  
Burrison, E. M., 1976, J. Parasitol., v. 62 (5), 793-798  
*Scorpaenichthys marmoratus* (fins): mouth of Yaquina Bay, Newport, Oregon
- Trachelobdella rugosa* Moore, 1898  
Sawyer, R. T.; and Shelley, R. M., 1976, J. Nat. Hist., v. 10 (1), 65-97  
key
- Zeylanicobdella arugamensis* De Silva, 1963  
Sanjeeva Raj, P. J., 1976, J. Marine Biol. Ass. India, v. 16 (2), 1974, 381-397  
review of fish-licees of the Indian Ocean, biology and behavior, geographic distribution



